

FOR THE BUILDING TRADE.

J. S. THORN
CO.
ARCHITECTURAL
SHEET * METAL * WORKS

1225, 1227, 1229 Callowhill St.,
PHILADELPHIA, PA.



CATALOGUE OF
**Sheet Metal Building Trimmings,
Hayes' Ventilating Skylights,**
CONSERVATORIES, GREEN-HOUSES, AND IRON AND GLASS
STRUCTURES OF EVERY DESCRIPTION.
Ornamented Metallic Ceilings, Metal Shingles and Roofing Tiles,
AND METAL BUILDING SPECIALTIES.

J.

MANUFACTURER OF

Copper and Galvanized Iron

CORNICES, BRACKETS, PEDIMENTS, SIGNS, WINDOW HEADS,
ORNAMENTS, FINIALS, CRESTINGS, WEATHER VANES, &c.

AND ENTIRE

SHEET METAL FRONTS

OF ANY ARCHITECTURAL DESIGN,

Iron Roof Frames and Corrugated Iron Covering for Fire Proof Boiler Houses and Buildings.

Iron and Glass Structures.

Domes, Conservatories and Green Houses.

Iron and Glass Roofing for Railroad Depots.

Hayes' Ventilating Skylights.

THORN'S PATENT METALLIC ROOFING TILES AND SHINGLES.

HIGHLY ORNAMENTED PATENT SHEET STEEL PANELLED AND EMBOSSED
CEILINGS AND WAINSCOTING.

METALLIC LOUVRES AND BLINDS.

CLARK'S PATENT STEEL REVOLVING SHUTTERS.

BRAND'S PATENT SASH OPENERS, FOR TILTING SASHES.

TICE & JACOB'S CONCRETE B. E. VAULT LIGHTS.

IRWIN & REBER'S PATENT STANDING SEAM CONDUCTOR PIPES.

CORRUGATED AND CRIMPED SHEET IRON.

BARKER'S PATENT VENTILATING REGISTERS.

RAILROAD BOX CAR IRON ROOFING.

IRON DOORS AND SHUTTERS.

⇒ Hayes' Patent Sheet Iron Lathing ⇐

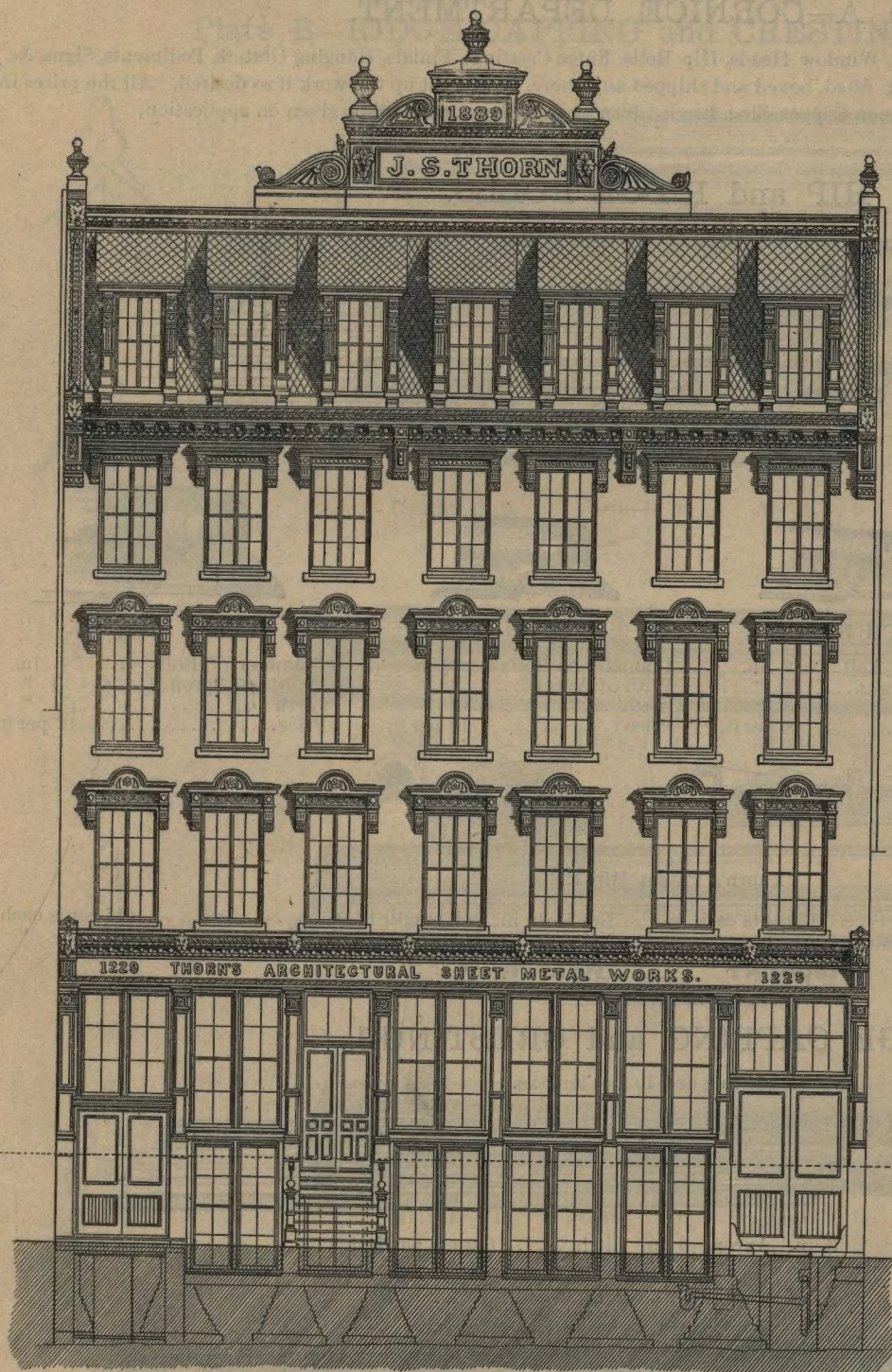
CORRUGATED, CURVED OR ARCHED SHEET IRON.

ICE BOXES OR CANS, AND ALL KINDS OF SHEET IRON WORK FOR
BREWERIES, REFINERIES AND FACTORIES.

== Work Boxed and Shipped to any part of the United States, and put up by this firm if required ==

**THE LARGEST ESTABLISHMENT
FOR MANUFACTURING**

SHEET METAL BUILDING TRIMMINGS.



IN this catalogue of Copper and Galvanized Iron Cornice Work, and Metal Building Trimmings generally, for architects and builders' use, I desire to call special attention to the manufacturing facilities which I possess. With a manufacturing establishment covering 42,000 square feet of floor surface, supplied with the best and most recently constructed machinery and tools, run with steam power and with every appliance which can be made useful in this line or class of work, managed by skilled workmen of long experience, I feel satisfied that I can give to the building trade the best work that can be made in this line, promptly and to the satisfaction of all who may intrust me with their orders.

The designs shown in this catalogue are to be considered as specimens rather than an exhaustive collection. I am always ready to estimate from drawings furnished by architects and engineers, or to confer with them in reference to designs for buildings they may have in contemplation, and which at the same time shall be adapted to construction in sheet metal.

Appreciating the value of enrichments on sheet metal work, my arrangements for sup-

plying ornaments, and of furnishing difficult and special work of any degree of elaborateness that may be required for the trade, have been carefully made and are equal to any produced.

I call especial attention of the trade to Thorn's Patent Metallic Roofing Tiles or Shingles, Hayes' Patent Improved Ventilating Skylights, Metallic Ceilings and the many other specialties in the metal line for building purposes made by this firm; and submit in this catalogue a few of my designs for metal building trimmings and other work, and invite correspondence with architects, engineers, and those engaged in the building and metal trades, assuring them prompt attention, together with best material and workmanship.

J. S. THORN,

1225-1227-1229 CALLOWHILL ST.,

PHILADELPHIA, PA., U. S. A.

29729231B

11-8-91

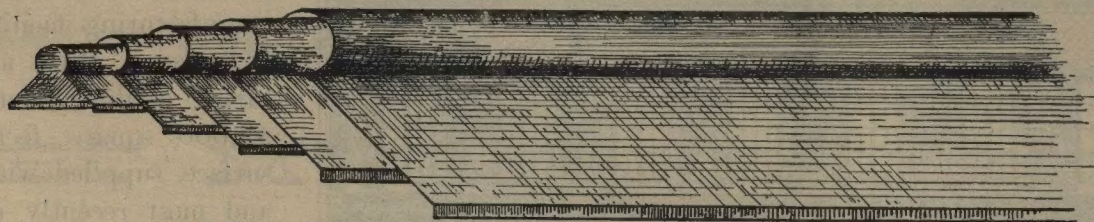
7-6-2004

Td Cat
1890

Plate A—CORNICIE DEPARTMENT.

Copper and Galvanized Iron Cornices, Window Heads, Hip Rolls, Ridge Crestings, Finials, Hanging Gutters, Pediments, Signs, &c., from our own designs or architect's drawing fitted, boxed and shipped anywhere, or will put up the work if so desired. All the prices in this catalogue are for Galvanized Iron. Prices on Copper, Zinc, Leaded Iron or any other metal will be given on application.

HIP and RIDGE ROLLS.



In lengths of 8 or 10 feet without a seam.



1 1/2 INCH RIDGING.

Diameter of Roll... 1 1/2 in.
Width of Apron... 2 "
Girth... 8 "
Price... 7 per ft.



2 INCH RIDGING.

Diameter of Roll... 2 in.
Width of Apron... 2 1/2 "
Girth... 10 "
Price... 8 per ft.



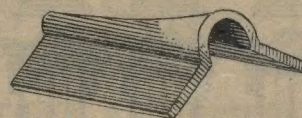
2 1/2 INCH RIDGING.

Diameter of Roll... 2 1/2 in.
Width of Apron... 2 "
Girth... 12 "
Price... 10 per ft.



3 INCH RIDGING.

Diameter of Roll... 3 in.
Width of Apron... 3 1/2 "
Girth... 15 "
Price... 12 per ft.



Thorn's Patent Hip Rolls.

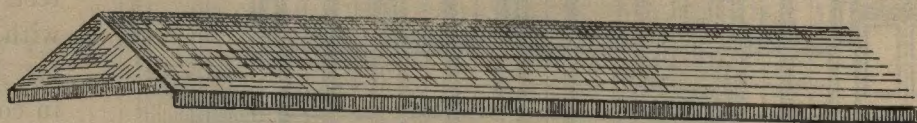
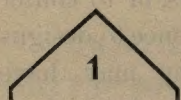
No. 1—1 in. roll, length 10 in. 13 cents each.
No. 2—1 1/2 " " " 11 " 15 " "

No. 3—1 1/2 in. roll, length 12 in. 17 cents each.
No. 4—3 1/2 " " " 12 " 20 " "

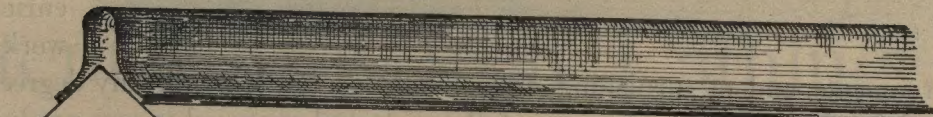
DISCOUNT PER CENT.

RIDGE CAPPING and CRESTINGS.

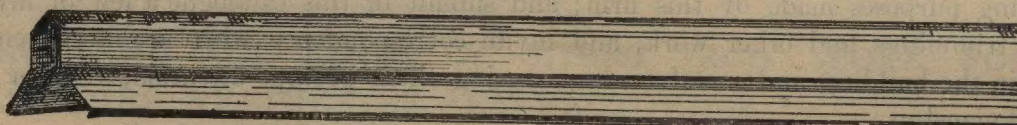
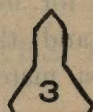
Made in 8 and 10 foot lengths.



3 in. Apron, 6 in. Girth... 6 cents per foot.
4 " " 8 " " 7 " "
5 " " 10 " " 8 " "
6 " " 12 " " 9 " "



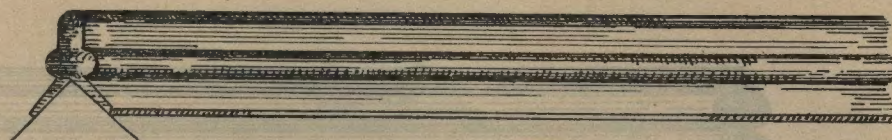
Height, 4 1/2 in. Girth, 12 in. Apron, 2 1/2 in. Price, 13 cents per foot.
" 6 " " 15 " " 3 1/2 " " 16 " "
" 8 " " 20 " " 4 1/2 " " 21 " "



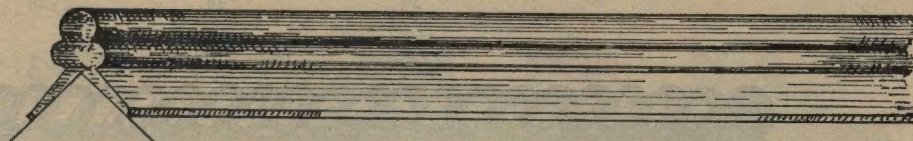
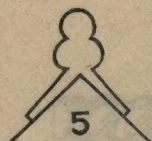
Height, 4 1/2 in. Girth, 12 in. Apron, 2 1/2 in. Price, 13 cents per foot.
" 6 " " 15 " " 3 1/2 " " 16 " "
" 8 " " 20 " " 4 1/2 " " 21 " "

WRITE FOR DISCOUNT.

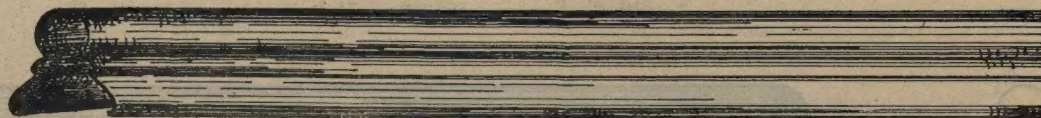
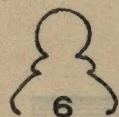
Plate B—RIDGE CAPPING and CRESTINGS—Continued.



Height, 4½ in.	Girth, 13 in.	Apron, 2½ in.	Price, 14 cents per foot.
" 6 "	" 16 "	" 3½ "	" 17 " "
" 8 "	" 22 "	" 4½ "	" 23 " "



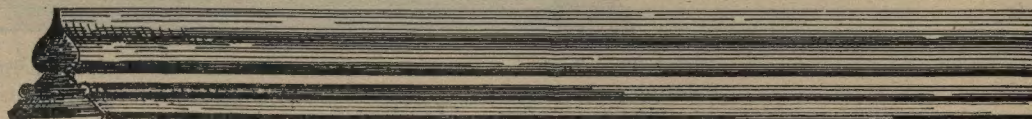
Height, 4½ in.	Girth, 13 in.	Apron, 2½ in.	Price, 14 cents per foot.
" 6 "	" 16 "	" 3½ "	" 17 " "
" 8 "	" 22 "	" 4½ "	" 23 " "



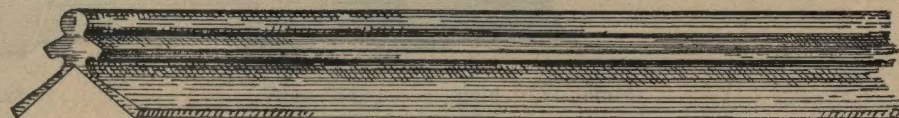
Height, 6 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 8 "	" 20 "	" 4 "	" 21 " "
" 10 "	" 24 "	" 4½ "	" 24 " "



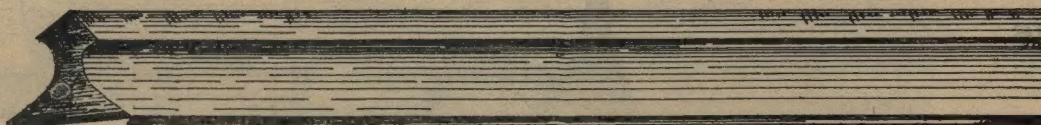
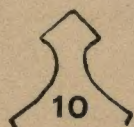
Height, 6 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 8 "	" 20 "	" 4 "	" 21 " "
" 10 "	" 24 "	" 4½ "	" 24 " "



Height, 6 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 8 "	" 20 "	" 4 "	" 21 " "
" 10 "	" 24 "	" 4½ "	" 24 " "



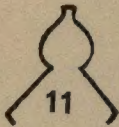
Height, 5 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 7 "	" 20 "	" 4 "	" 21 " "
" 9 "	" 24 "	" 4½ "	" 24 " "



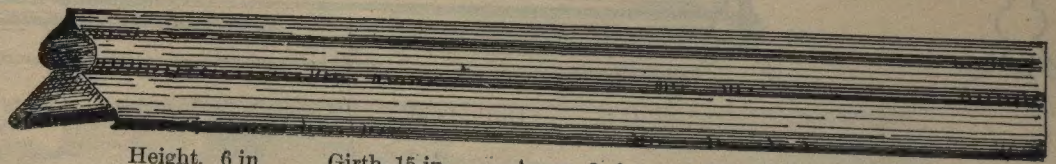
Height, 6 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 8 "	" 20 "	" 4 "	" 21 " "
" 10 "	" 24 "	" 4½ "	" 24 " "

WRITE FOR DISCOUNTS.

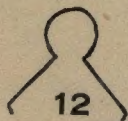
Plate C—RIDGE CAPPING and CRESTINGS—Continued.



11



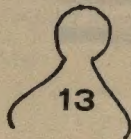
Height, 6 in.	Girth, 15 in.	Apron, 3 in.	Price, 15 cents per foot.
" 8 "	" 20 "	" 4 "	" 21 " "
" 10 "	" 24 "	" 4 1/2 "	" 24 " "



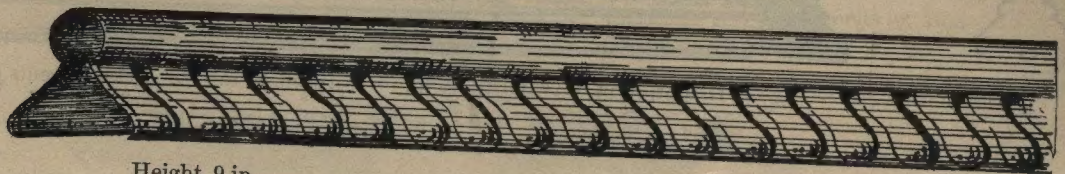
12



Height, 6 in.	Apron, 4 in.	Price, 50 cents per foot.
" 8 "	" 5 1/2 "	" 55 " "
" 10 "	" 7 1/2 "	" 60 " "



13



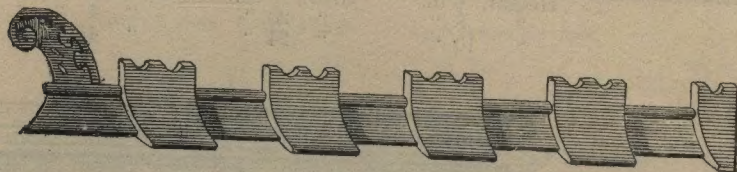
Height, 9 in. Price, 54 cents per foot.

14



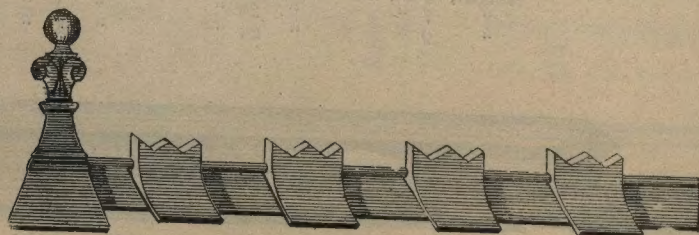
Finial, 32 in. high.....	\$4.00 each.
Cresting, 12 in. high, single thickness comb.....	.36 cents per foot.
1 inch thickness comb.....	.44 " " "

15



Finial, 12 in. high.....	\$2.00 each.
Cresting, comb 2 in. thick, 6 inch apron.....	.60 cents per foot.

16



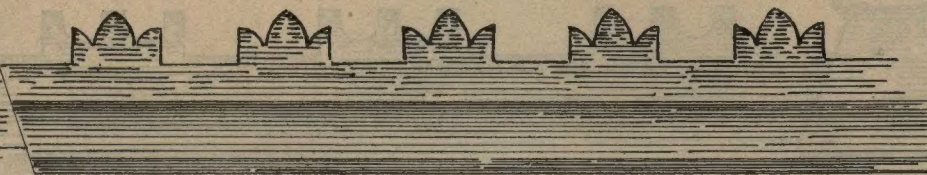
Finial, 36 in. high.....	\$5.00 each.
Cresting, comb 2 in. thick, 6 inch apron.....	.60 cents per foot.

WRITE FOR DISCOUNTS.

Plate D—RIDGE CAPPING and CRESTINGS—Continued.



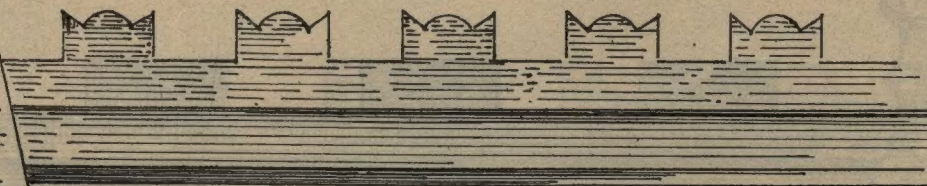
No. 17.



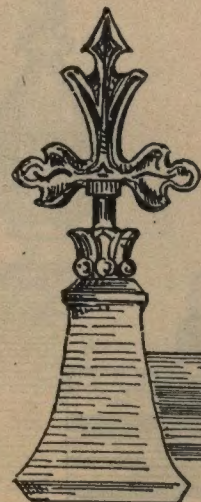
Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " " " double " 48 " "
 Finial, 28 in. high.....\$3.25 each.



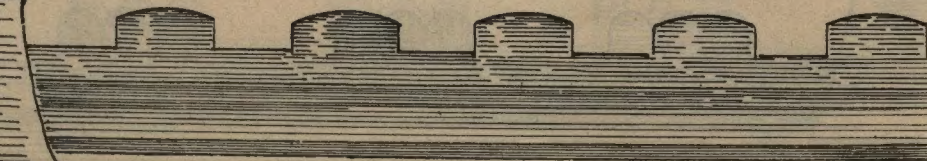
No. 18.



Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " " " double " 48 " "
 Finial, 27 in. high.....\$3.75 each.



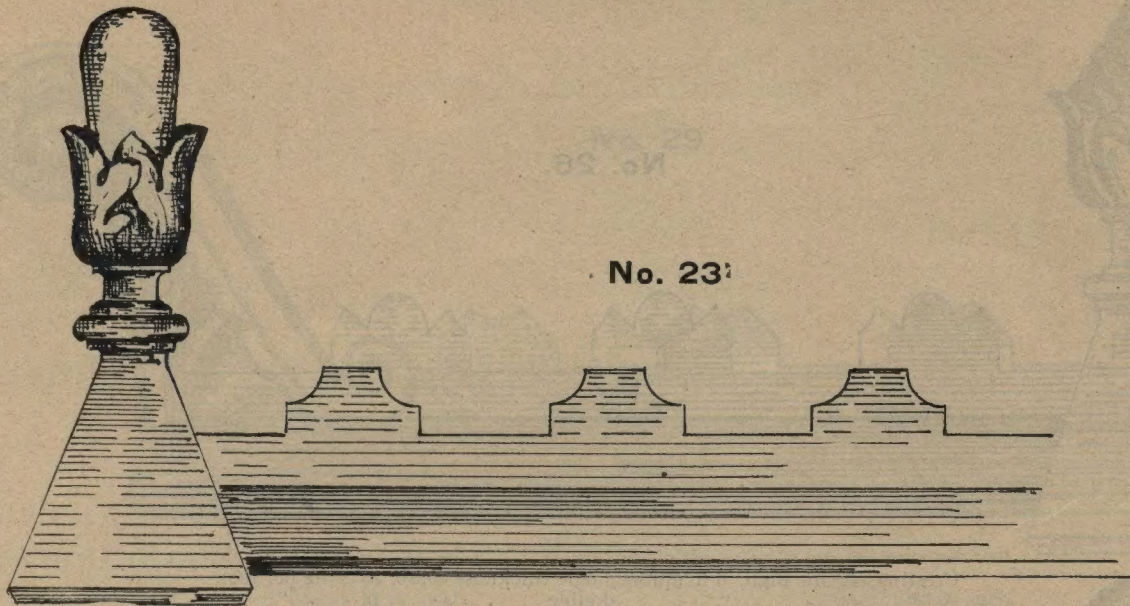
No. 19.



Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " " " double " 46 " "
 Finial, 26 in. high.....\$2.75 each.

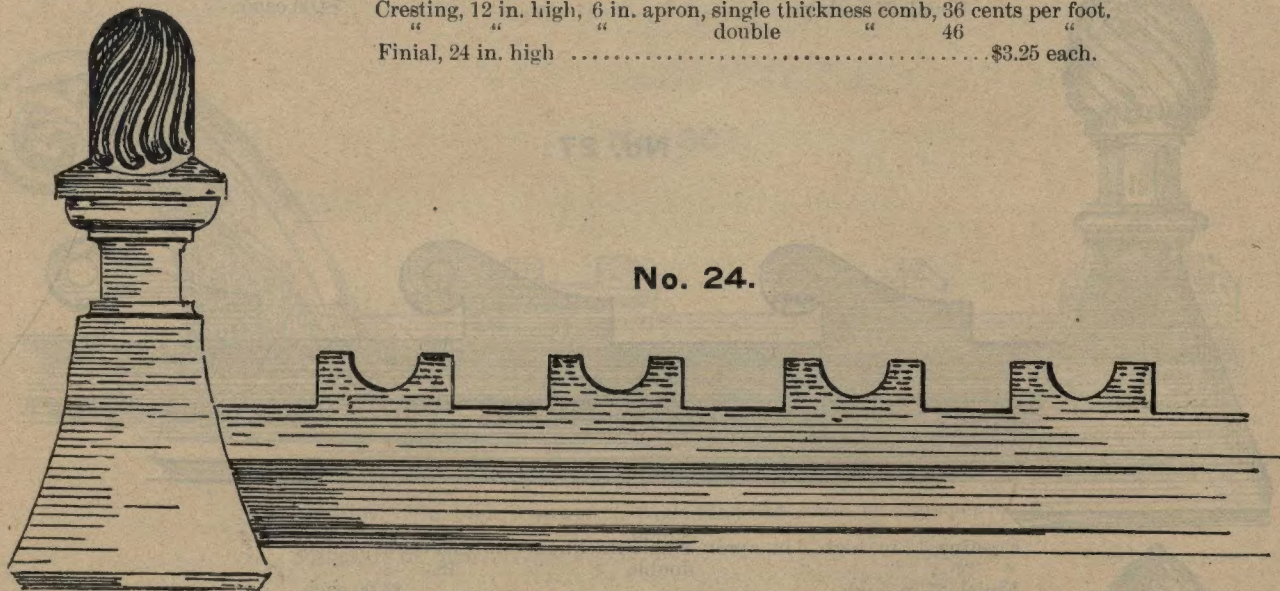
WRITE FOR DISCOUNTS.

Plate F—RIDGE CAPPING and CRESTING—Continued.



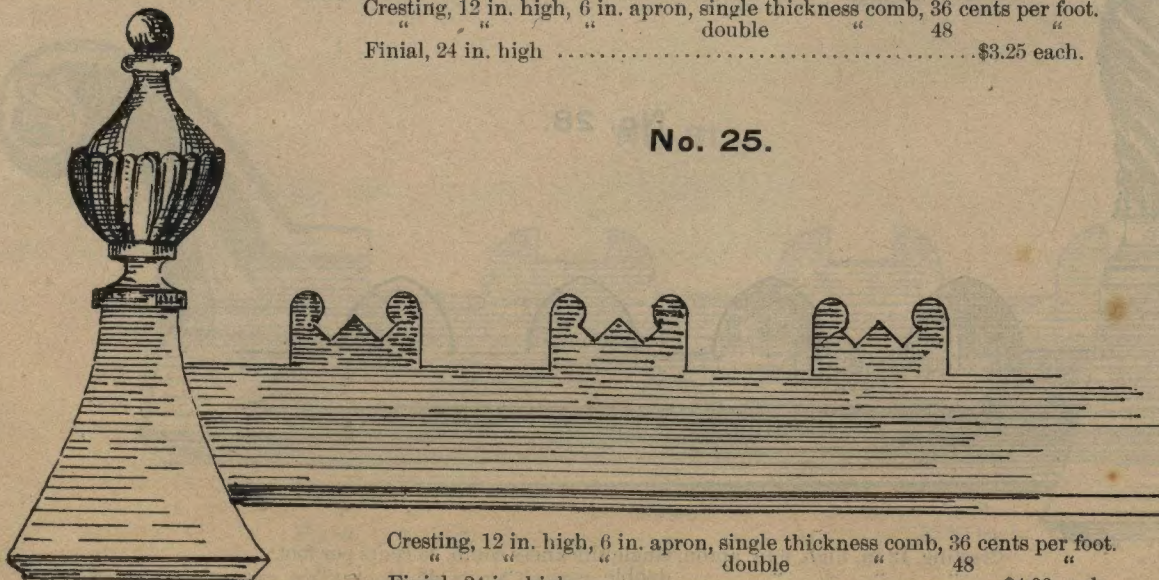
No. 23.

Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " double " 46 "
 Finial, 24 in. high\$3.25 each.



No. 24.

Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " double " 48 "
 Finial, 24 in. high\$3.25 each.



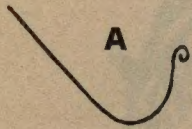
No. 25.

Cresting, 12 in. high, 6 in. apron, single thickness comb, 36 cents per foot.
 " " " " double " 48 "
 Finial, 24 in. high\$4.00 each.

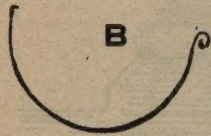
WRITE FOR DISCOUNTS.

Plate I—EAVE TROUGHS or HANGING GUTTERS and GUTTER CORNICES.

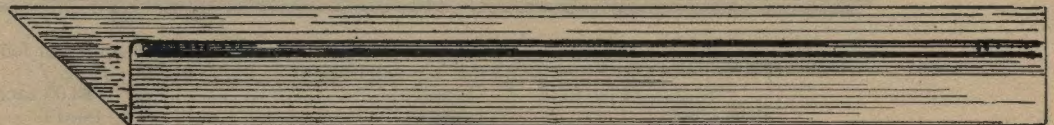
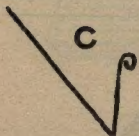
Made in 8 and 10 feet lengths of Galvanized Iron.



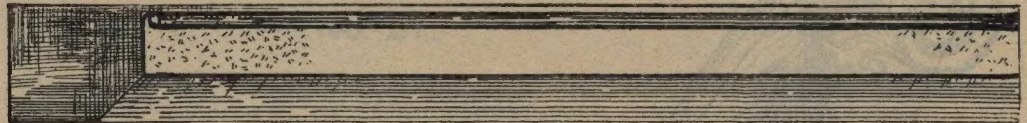
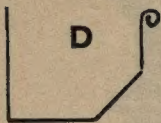
14 in. girth, 22 cents per foot.
 20 " 32 " "
 24 " 36 " "



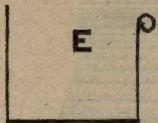
3½ in., 13 cents per foot. 7 in., 20 cents per foot.
 4 " 14 " "
 5 " 16 " "
 6 " 18 " "



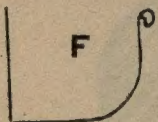
14 in., 22 cents per foot.
 18 " 30 " "
 20 " 32 " "



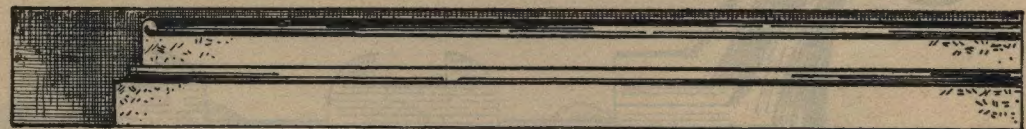
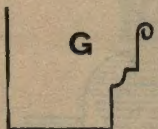
Size, 5 in.	Depth, 3½ in.	Girth, 12 in.	Price, 22 cents per foot.
" 6 "	" 4½ "	" 14 "	" 24 " "
" 7 "	" 4½ "	" 16 "	" 26 " "



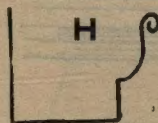
Size, 6 in.	Depth, 4 in.	Girth, 16 in.	Price, 25 cents per foot.
" 7 "	" 5 "	" 18 "	" 30 " "
" 8 "	" 5½ "	" 20 "	" 32 " "



Size, 6 in.	Depth, 4½ in.	Girth, 15 in.	Price, 25 cents per foot.
" 7 "	" 5½ "	" 18 "	" 30 " "
" 8 "	" 7 "	" 22 "	" 34 " "



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 30 cents per foot.
" 7 "	" 6 "	" 20 "	" 32 " "
" 8 "	" 7 "	" 22 "	" 34 " "



Size, 6 in.	Depth, 4 in.	Girth, 15 in.	Price, 25 cents per foot.
" 7 "	" 5 "	" 18 "	" 30 " "
" 8 "	" 7 "	" 22 "	" 34 " "

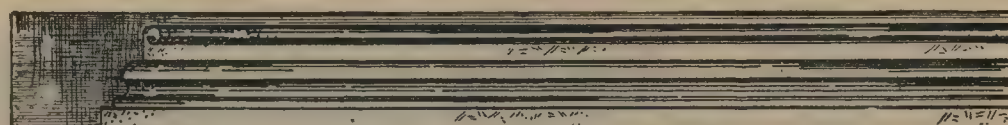
WRITE FOR DISCOUNT.

Plate J—EAVE TROUGHS or HANGING GUTTERS and GUTTER CORNICES—Continued.

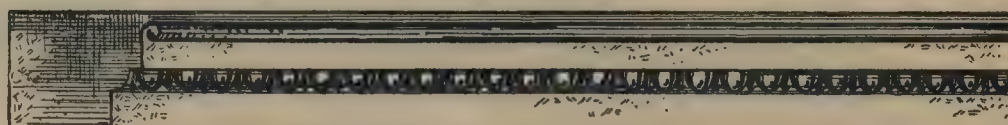
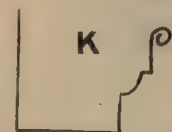
Made in 8 and 10 foot lengths.



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 30 cents per foot.
" 7 "	" 5 "	" 18 "	" 32 " "
" 8 "	" 7 "	" 22 "	" 34 " "
" 9 "	" 8 "	" 24 "	" 36 " "



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 30 cents per foot.
" 7 "	" 6 "	" 21 "	" 33 " "
" 8 "	" 7 "	" 24 "	" 36 " "
" 9 "	" 8 "	" 28 "	" 40 " "



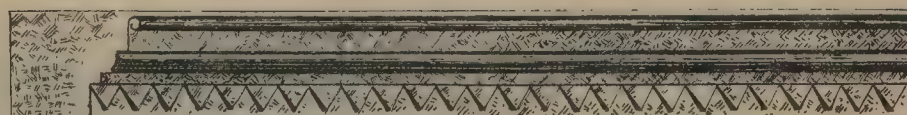
Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 55 cents per foot.
" 7 "	" 6 "	" 20 "	" 60 " "
" 8 "	" 7 "	" 22 "	" 64 " "
" 9 "	" 8 "	" 26 "	" 70 " "



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 52 cents per foot.
" 7 "	" 6 "	" 20 "	" 56 " "
" 8 "	" 7 "	" 22 "	" 60 " "
" 9 "	" 8 "	" 26 "	" 65 " "



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 48 cents per foot.
" 7 "	" 6 "	" 20 "	" 52 " "
" 8 "	" 7 "	" 22 "	" 56 " "
" 9 "	" 8 "	" 26 "	" 60 " "



Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 45 cents per foot.
" 7 "	" 6 "	" 20 "	" 50 " "
" 8 "	" 7 "	" 22 "	" 54 " "
" 9 "	" 8 "	" 26 "	" 58 " "



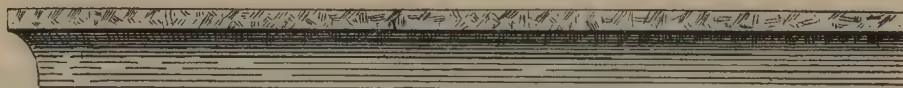
Size, 6 in.	Depth, 5 in.	Girth, 18 in.	Price, 45 cents per foot.
" 7 "	" 6 "	" 20 "	" 50 " "
" 8 "	" 7 "	" 22 "	" 54 " "
" 9 "	" 8 "	" 26 "	" 58 " "

WRITE FOR DISCOUNT.

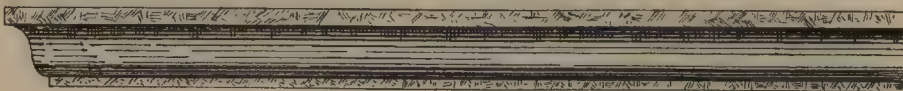
Plate K—CROWN MOULDINGS and CORNICES.

These Cornices can be made any size desired.

1



2



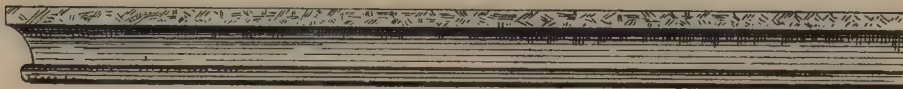
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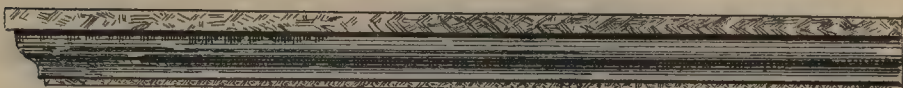
4



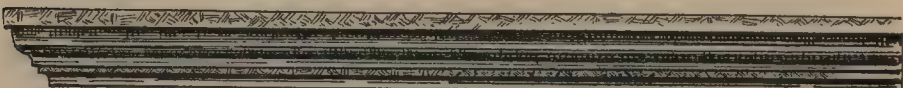
5



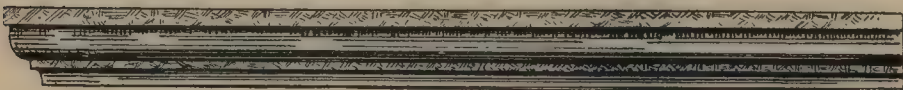
6



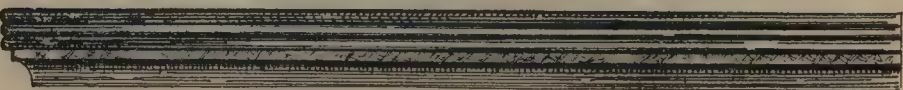
7



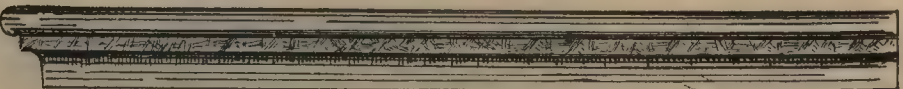
8



9



10



The prices of all the above Cornices are

6 in. high, 3 in projection,	20 cents per foot.
8 " " 4 " " "	23 " "
10 " " 5 " " "	27 " "

WRITE FOR DISCOUNT.

Plate L—CORNICES—Continued.

11



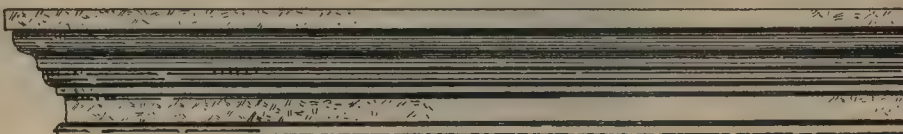
10 in. high, 5 in. projection, 27 cents per foot.
12 " " 6 " " 32 " "
14 " " 7 " " 37 " "

12



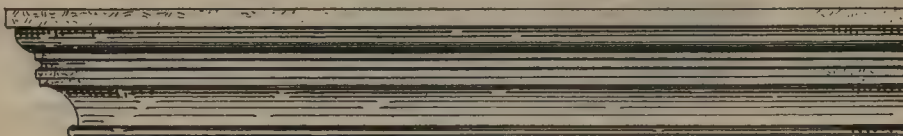
10 in. high, 5 in. projection, 27 cents per foot.
12 " " 6 " " 32 " "
14 " " 7 " " 37 " "

13



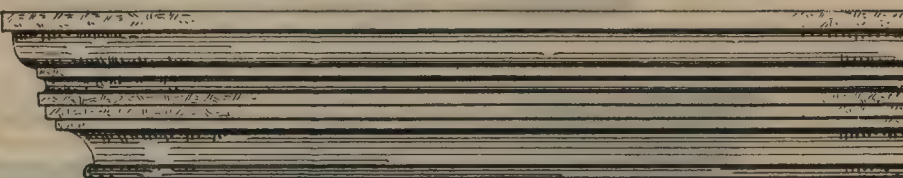
10 in. high, 5 in. projection, 29 cents per foot.
12 " " 6 " " 34 " "
14 " " 7 " " 39 " "

14



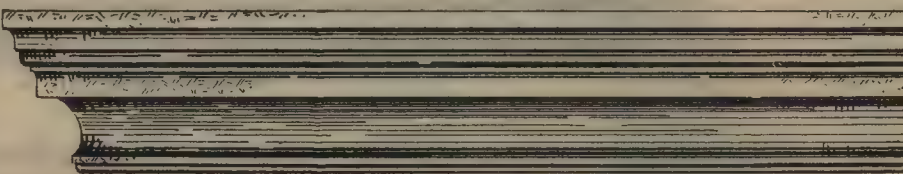
10 in. high, 5 in. projection, 29 cents per foot.
12 " " 6 " " 34 " "
14 " " 7 " " 39 " "

15



14 in. high, 7 in. projection, 39 cents per foot.
16 " " 8 " " 46 " "
18 " " 9 " " 52 " "

16



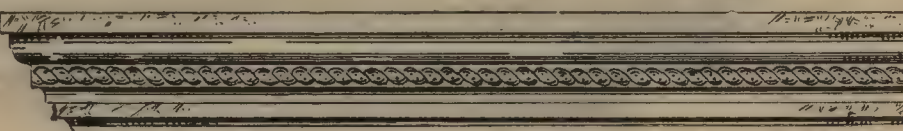
14 in. high, 7 in. projection, 39 cents per foot.
16 " " 8 " " 46 " "
18 " " 9 " " 52 " "

17



14 in. high, 7 in. projection, 62 cents per foot.
16 " " 8 " " 69 " "
18 " " 9 " " 75 " "

18

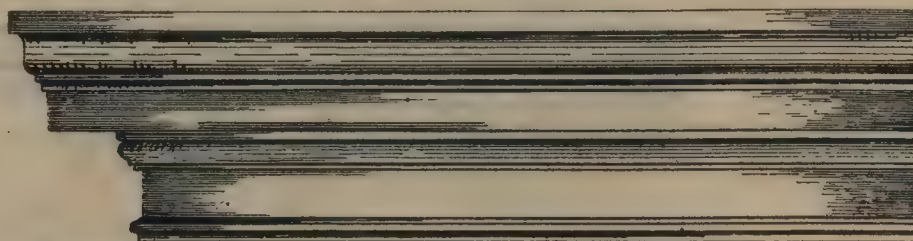


10 in. high, 5 in. projection, 45 cents per foot.
12 " " 6 " " 49 " "
14 " " 7 " " 54 " "

WRITE FOR DISCOUNT.

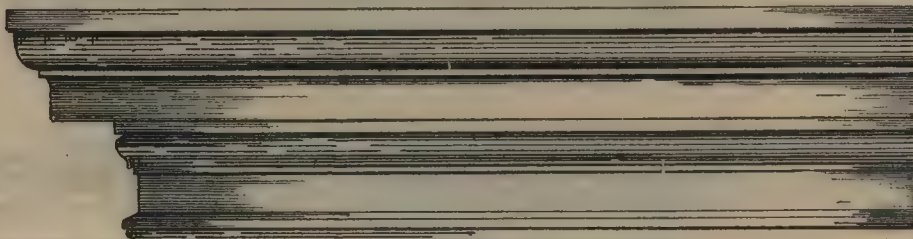
Plate M—CORNICES—Continued.

19



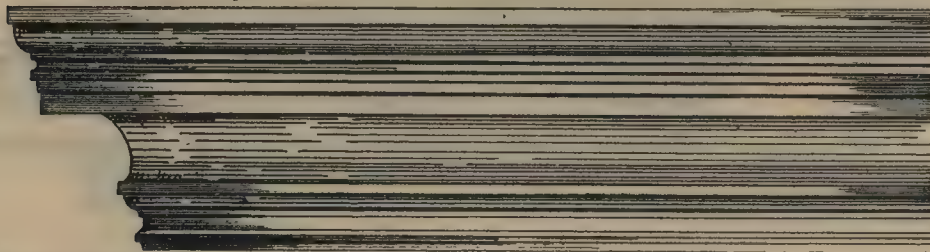
24 in. high, 12 in. projection, .72 cents per foot.
 30 " " 15 " " .90 " "
 36 " " 18 " " 1.08 " "

20



24 in. high, 12 in. projection, .72 cents per foot.
 30 " " 15 " " .90 " "
 36 " " 18 " " 1.08 " "

21



24 in. high, 12 in. projection, .72 cents per foot.
 30 " " 15 " " .90 " "
 36 " " 18 " " 1.08 " "

22



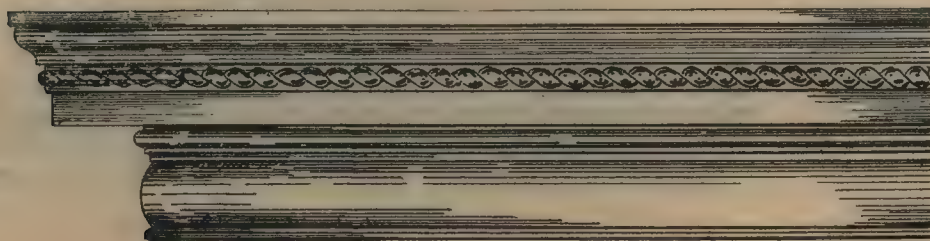
24 in. high, 12 in. projection, \$1.00 per foot.
 30 " " 15 " " 1.18 " "
 36 " " 18 " " 1.35 " "

23



24 in. high, 12 in. projection, .88 cents per foot.
 30 " " 15 " " 1.05 " "
 36 " " 18 " " 1.25 " "

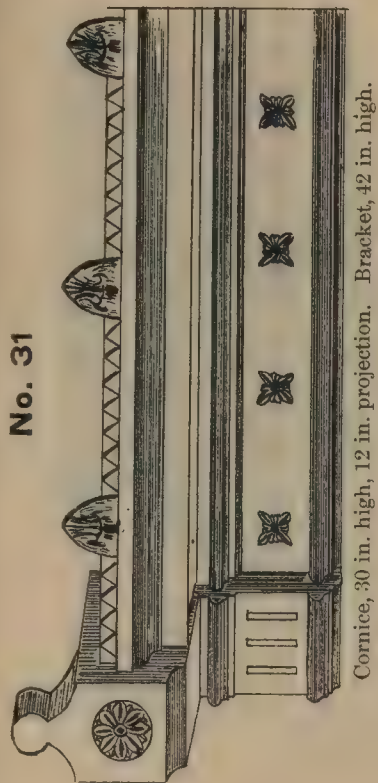
24



24 in. high, 12 in. projection, \$1.00 per foot.
 30 " " 15 " " 1.18 " "
 36 " " 18 " " 1.35 " "

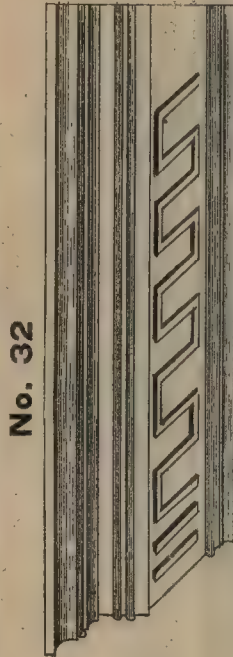
WRITE FOR DISCOUNT.

Plate N—CORNICES—Continued.



No. 31

Cornice, 30 in. high, 12 in. projection. Bracket, 42 in. high.



No. 32

24 in. high, 15 in. projection.



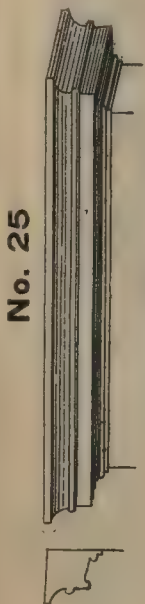
No. 33

32 in. high, 18 in. projection.



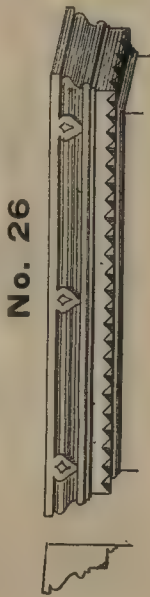
No. 34

38 in. high, 18 in. projection.



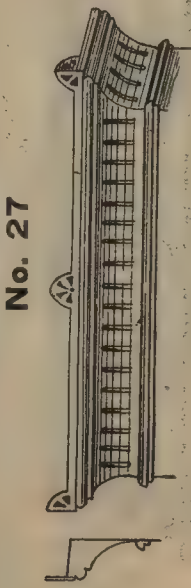
No. 25

9 in. high, 6 in. projection.



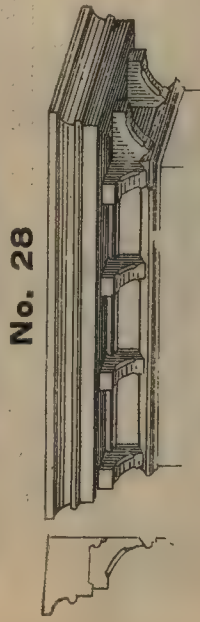
No. 26

12 in. high, 7½ in. projection.



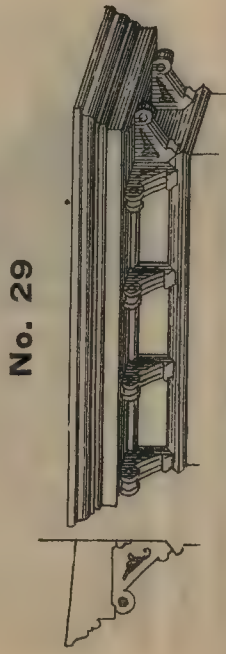
No. 27

13 in. high, 6 in. projection.



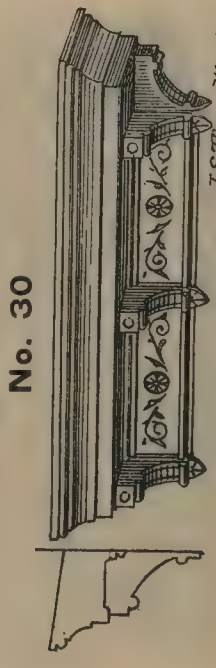
No. 28

18 in. high, 13 in. projection.



No. 29

18 in. high, 17 in. projection.



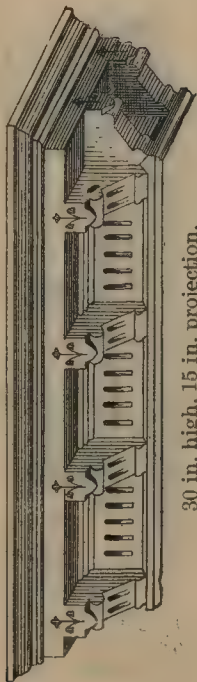
No. 30

J. S. T. Turner Mfg. Co.

21 in. high, 16 in. projection.

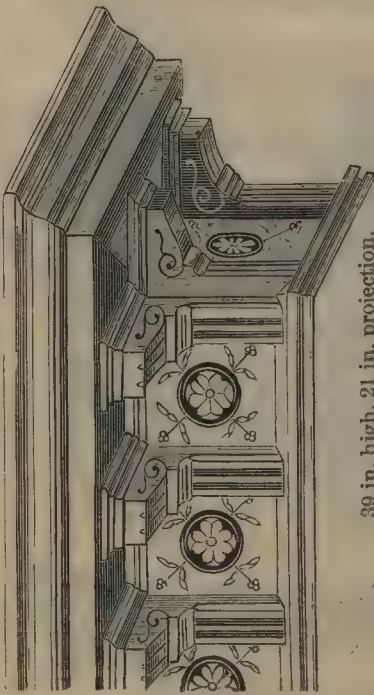
Plate O—CORNICES—Continued.

No. 35



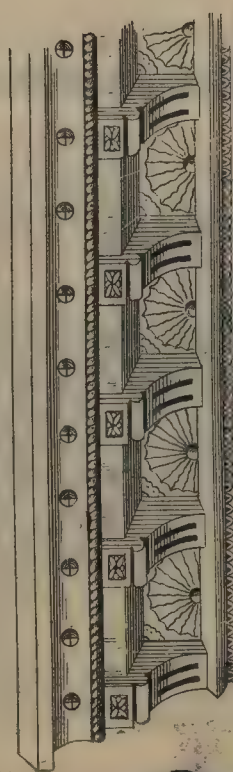
30 in. high, 15 in. projection.

No. 36



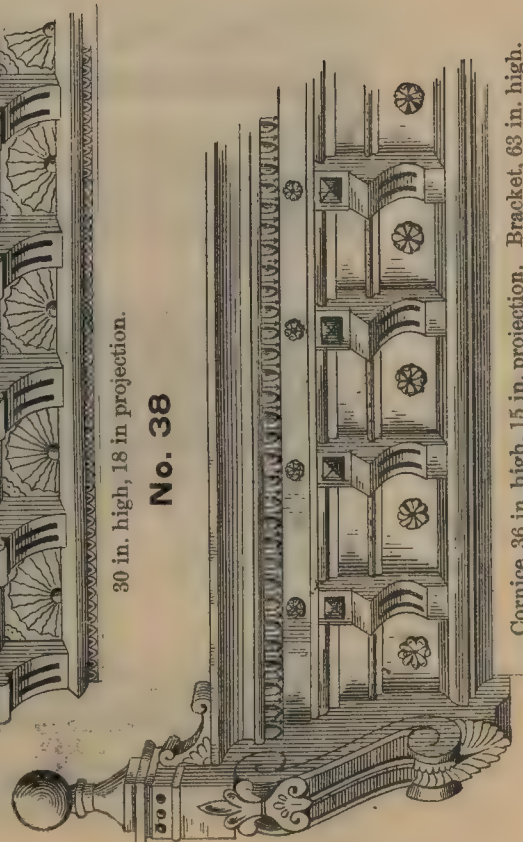
39 in. high, 21 in. projection.

No. 37



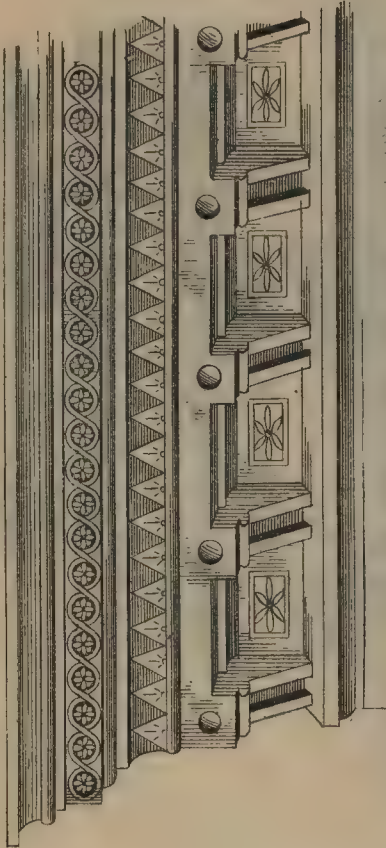
30 in. high, 18 in. projection.

No. 38



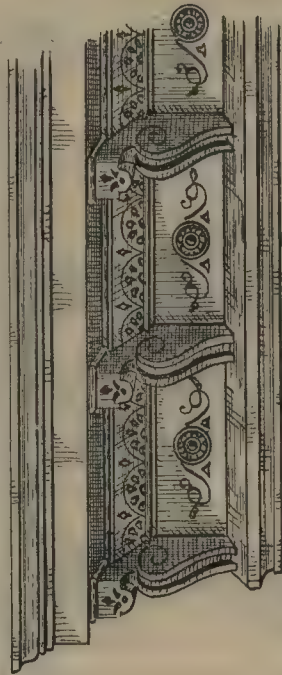
Cornice, 36 in. high, 15 in. projection. Bracket, 63 in. high.

No. 39



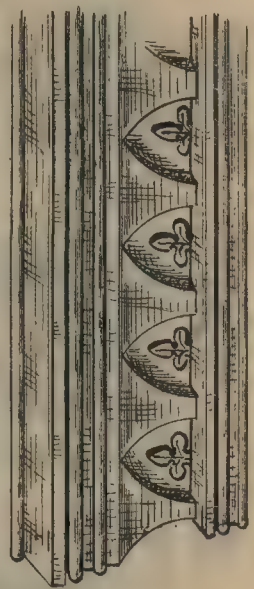
45 in. high, 20 in. projection.

No. 40



42 in. high, 18 in. projection.

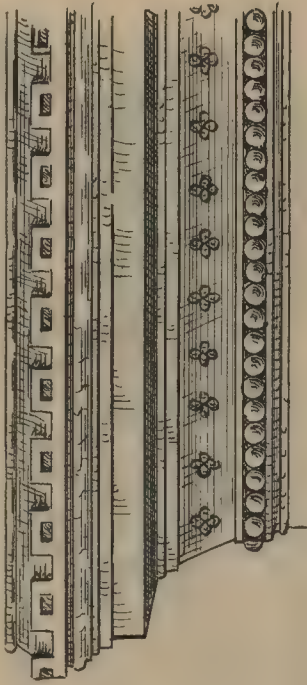
No. 41



36 in. high, 12 in. projection.

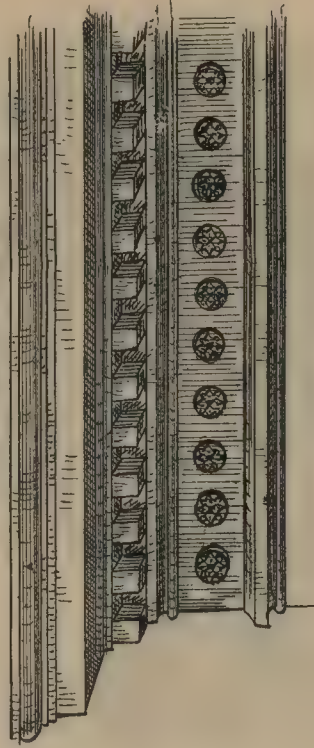
Plate P—CORNICES—Continued.

No. 46



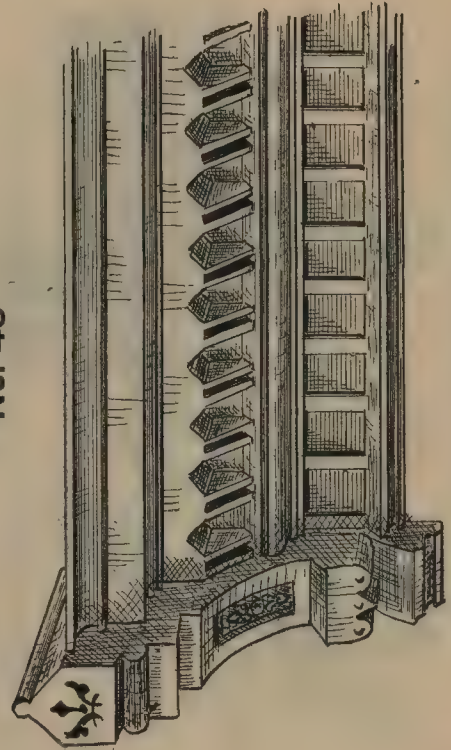
36 in. high, 18 in. projection.

No. 47



36 in. high, 18 in. projection.

No. 48



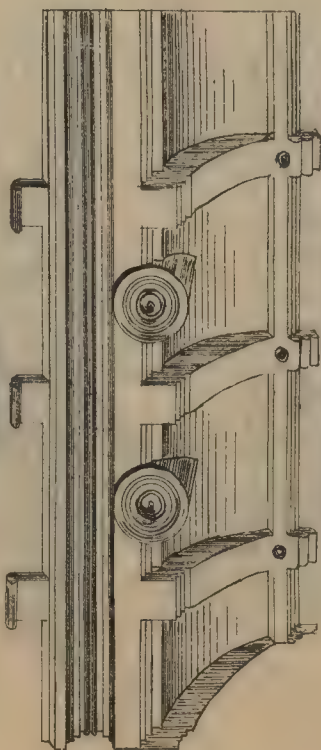
Cornice, 48 in. high, 18 in. projection. Bracket, 60 in. high.

No. 42



30 in. high, 12 in. projection.

No. 43



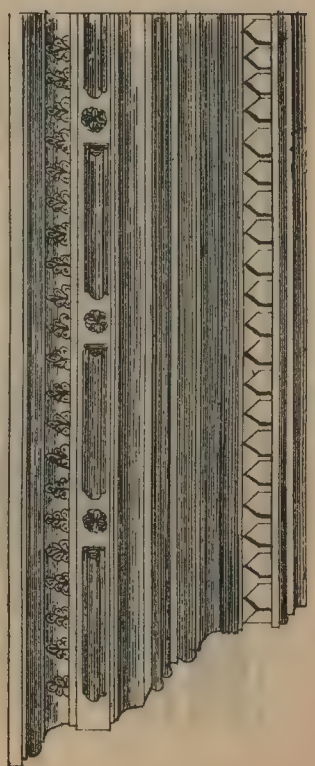
30 in. high, 15 in. projection.

No. 44



36 in. high, 18 in. projection.

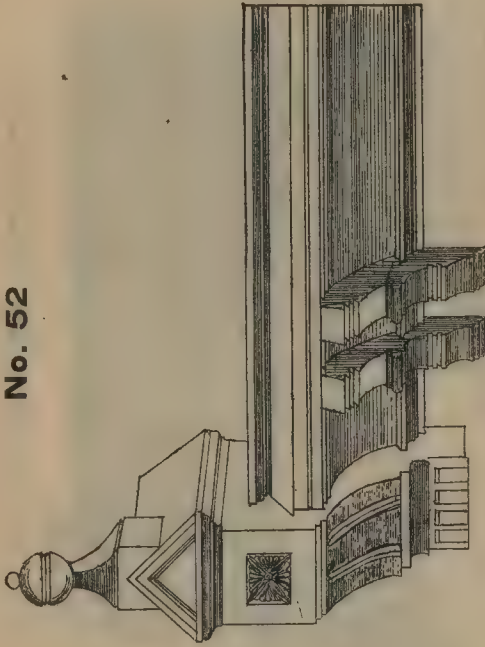
No. 45



36 in. high, 18 in. projection.

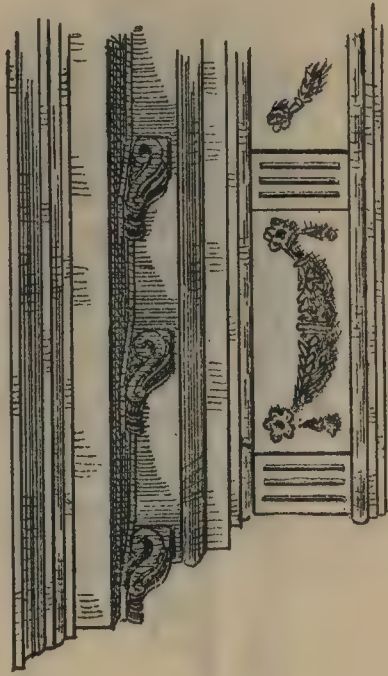
Plate R—CORNICES—Continued.

No. 52



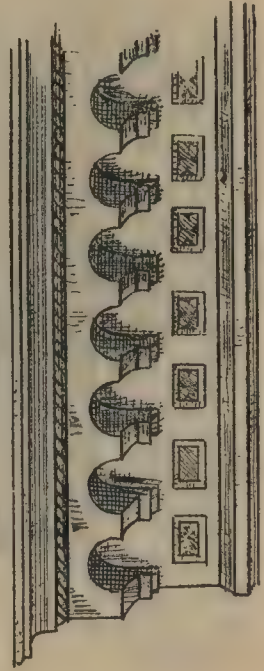
Cornice, 24 in. high, 12 in. projection. Bracket, 57 in. high.

No. 53



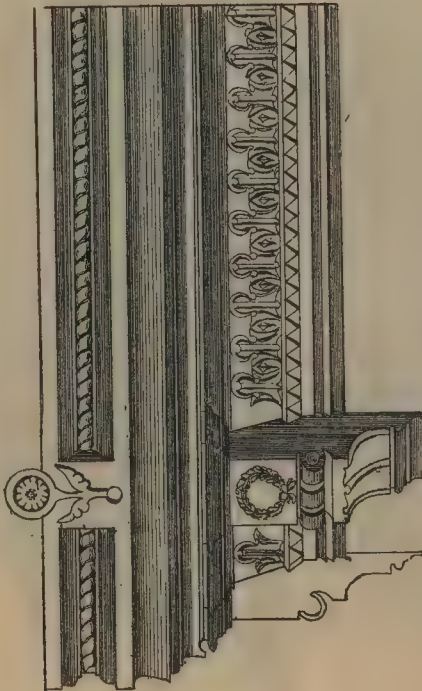
54 in. high, 24 in. projection.

No. 54



36 in. high, 12 in. projection.

No. 49



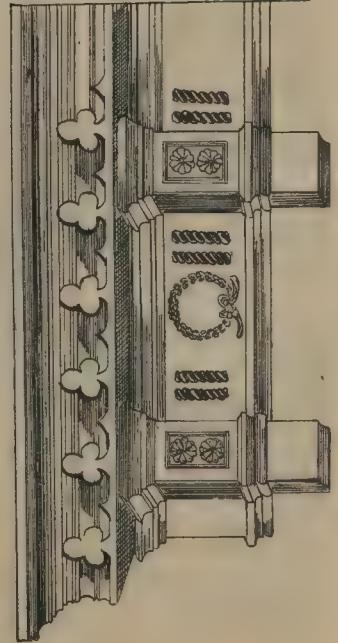
36 in. high, 18 in. projection.

No. 50



30 in. high, 15 in. projection.

No. 51

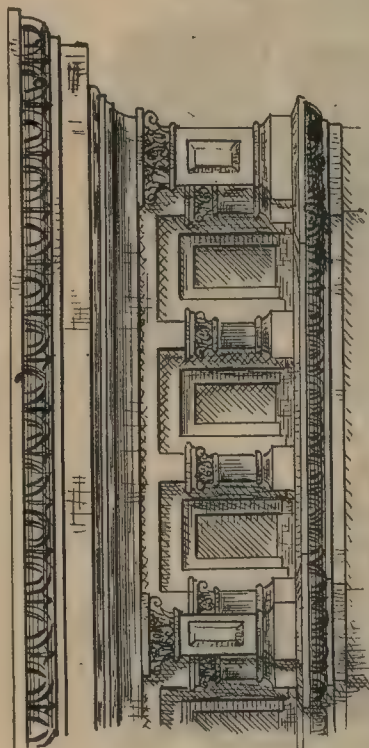


36 in. high, 18 in. projection.

WRITE FOR PRICES.

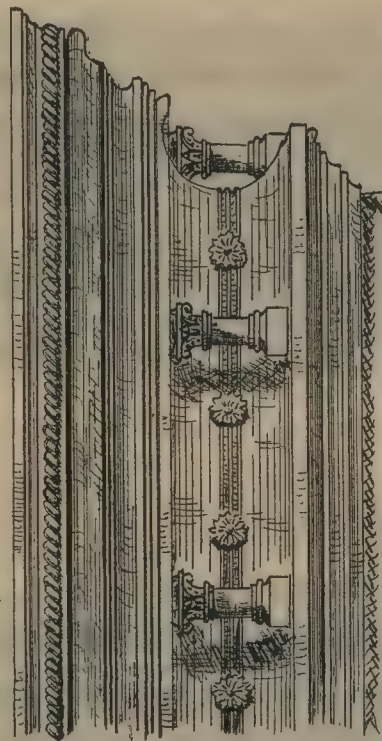
Plate S—CORNICES—Continued.

No. 55



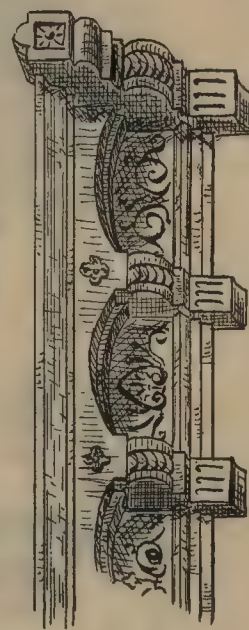
48 in. high, 18 in. projection.

No. 56



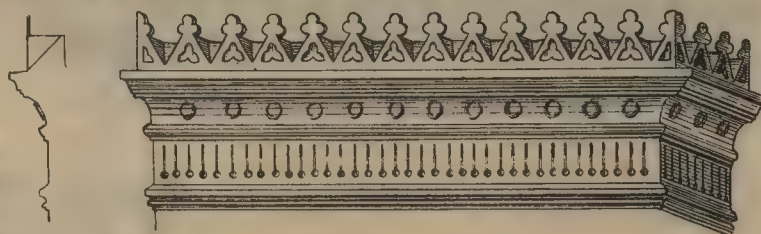
54 in. high, 30 in. projection.

No. 57



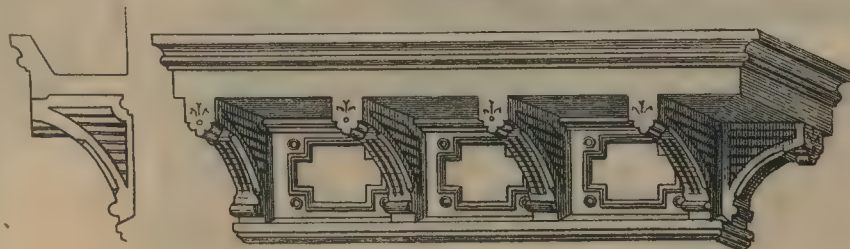
Cornice, 27 in. high, 14 in. projection. Bracket, 33 in. high.

No. 58



40 in. high, 12 in. projection.

No. 59

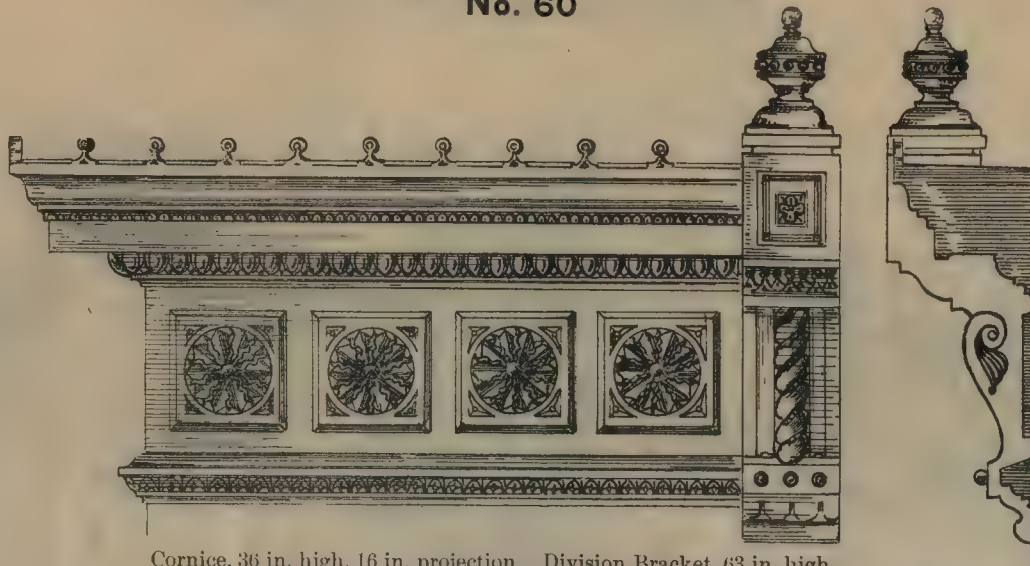


42 in. high, 24 in. projection.

WRITE FOR PRICES.

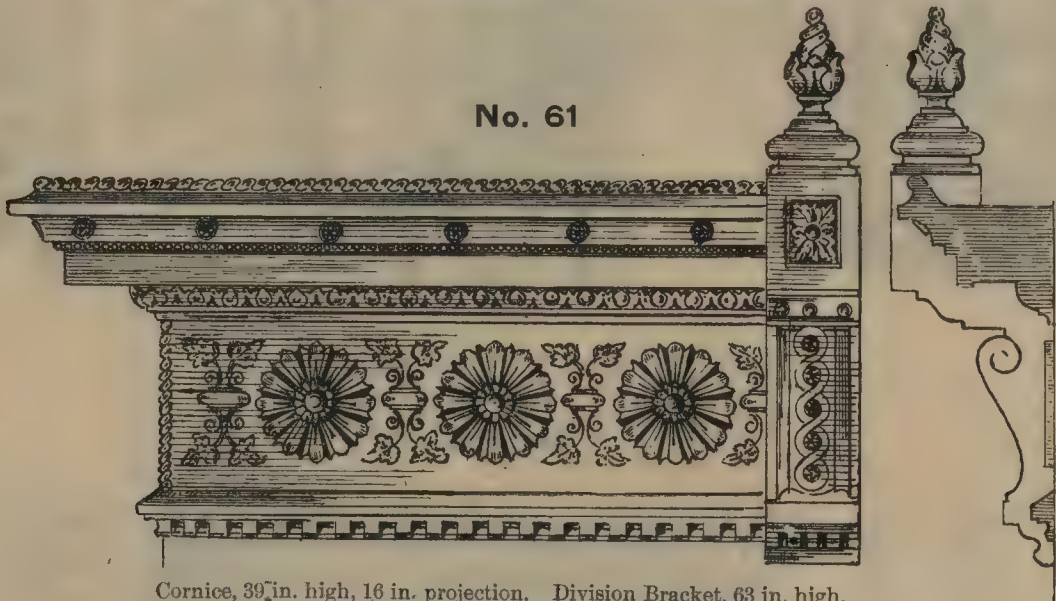
Plate T—CORNICES—Continued.

No. 60



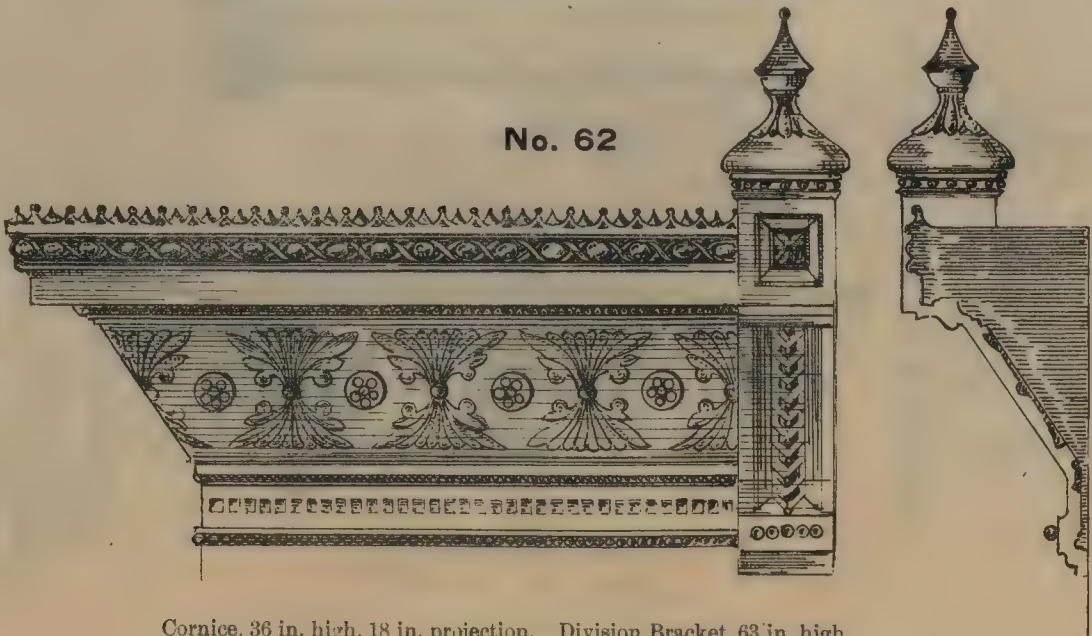
Cornice, 36 in. high, 16 in. projection. Division Bracket, 63 in. high.

No. 61



Cornice, 39 in. high, 16 in. projection. Division Bracket, 63 in. high.

No. 62

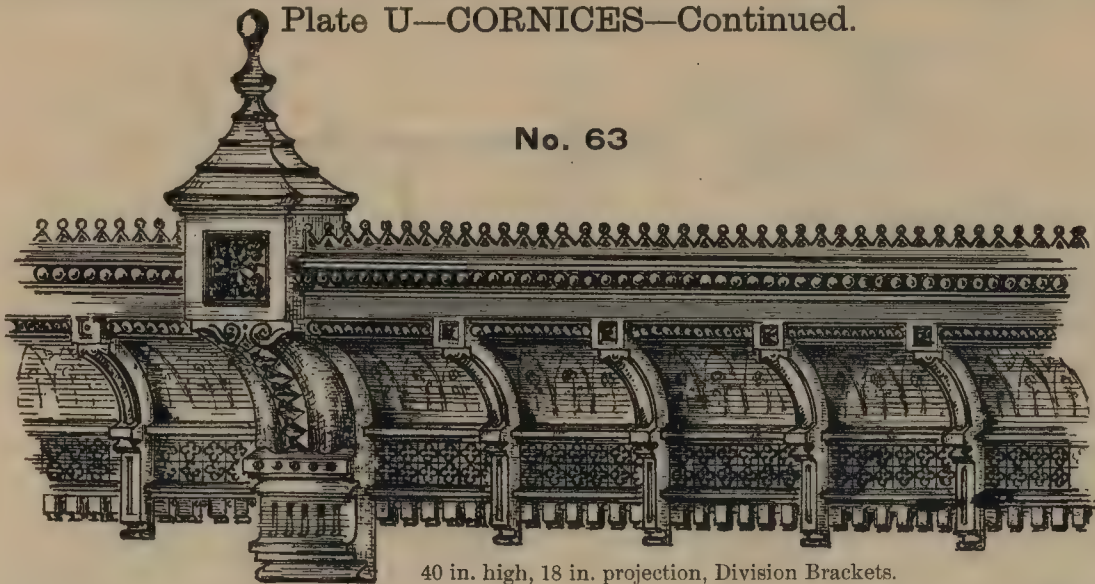


Cornice, 36 in. high, 18 in. projection. Division Bracket, 63 in. high.

WRITE FOR PRICES.

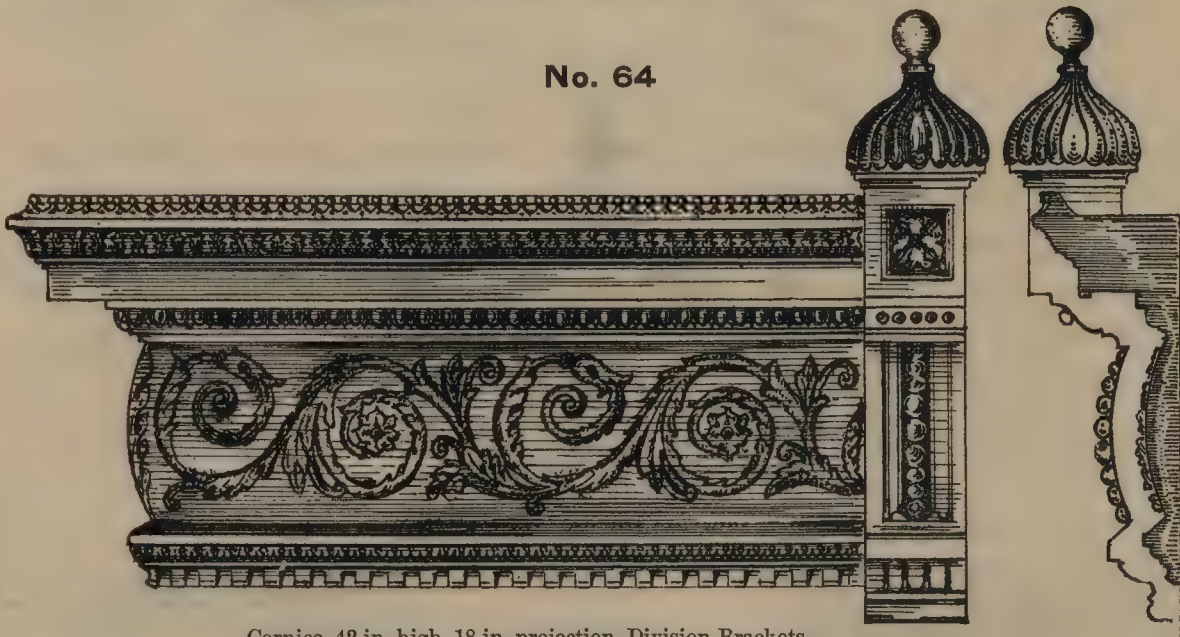
Plate U—CORNICES—Continued.

No. 63



40 in. high, 18 in. projection, Division Brackets.

No. 64



Cornice, 42 in. high, 18 in. projection, Division Brackets.

No. 65

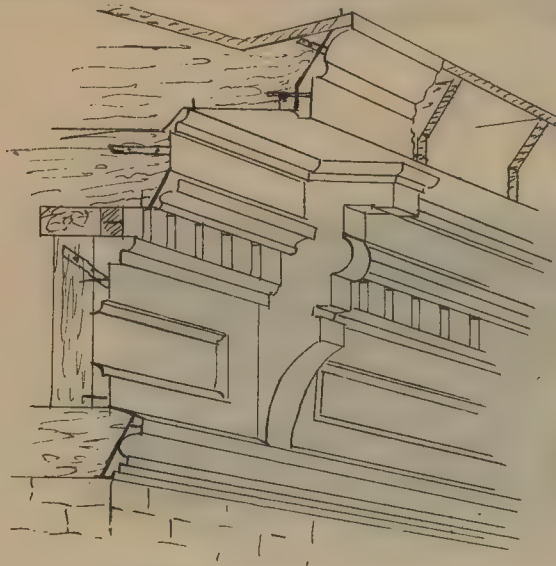


Cornice, 42 in. high, 18 in. projection, Division Bracket.

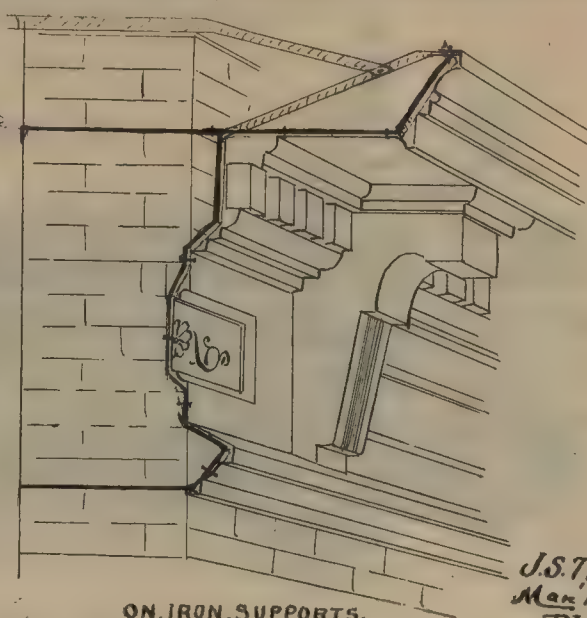
WRITE FOR PRICES.

Plate V—GALVANIZED SHEET IRON SIGNS.

MODE OF SUPPORTING CORNICES ON WOOD OR IRON SUPPORTS, AND SHOWING CORNICES IN PLACE.

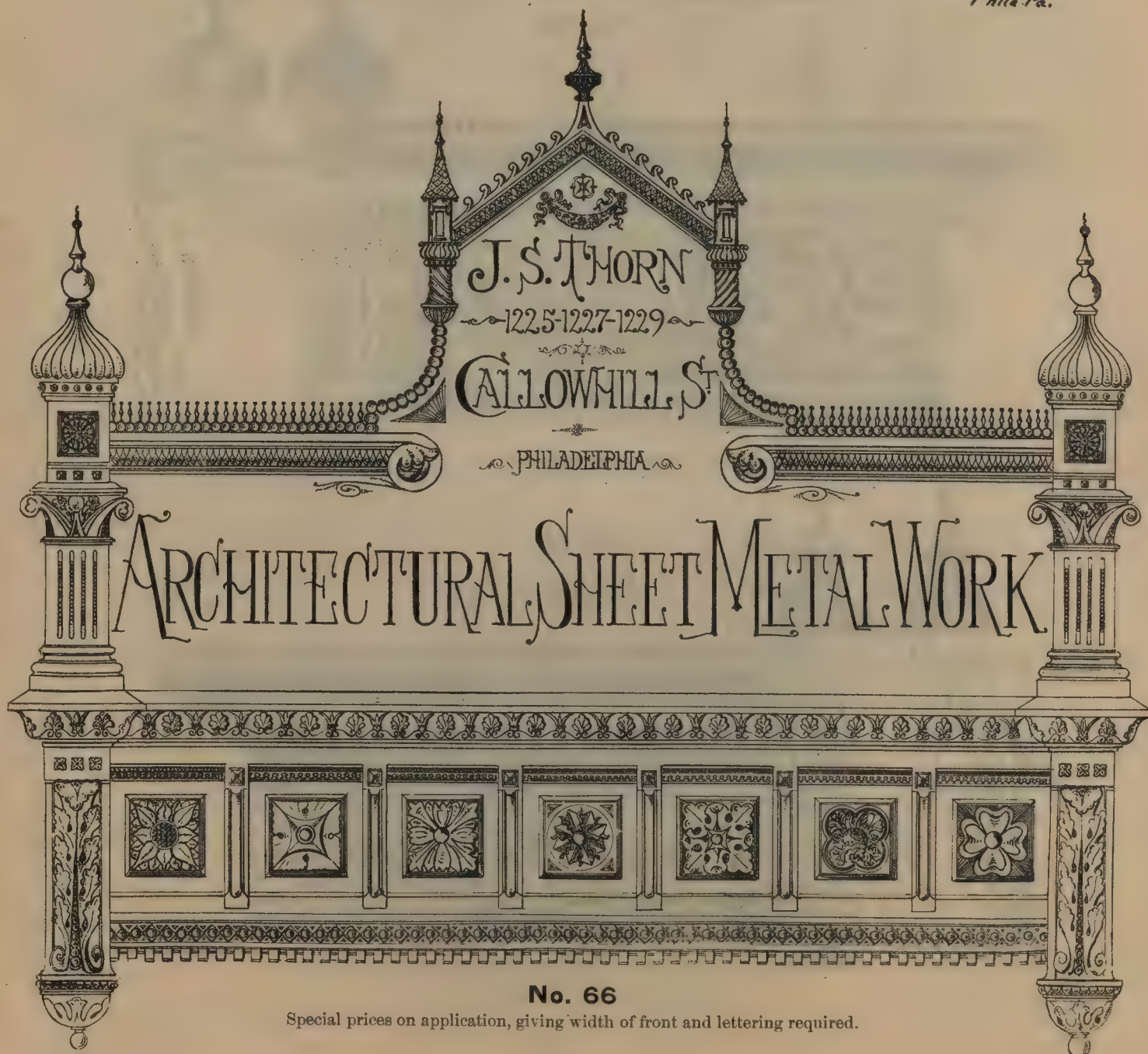


CORNICE ON WOODEN SUPPORTS.



ON IRON SUPPORTS.

*J.S. Thorn.
Manfr
Phila Pa.*



No. 66

Special prices on application, giving width of front and lettering required.



GALVANIZED SHEET METAL FRONTS.



I DESIRE to call special attention to Galvanized Iron Fronts. The ease with which they can be applied to either new or old buildings, and their artistic effect is a strong recommendation for their use. With the expenditure of little money the most ornamental fronts can be obtained and there is no reason why every store building should not have a handsome exterior. The lightness of the material makes their application to old buildings or buildings with plain fronts especially desirable; I would respectfully call attention to builders and owners who are about building or remodeling their buildings to these fronts. The cuts in this catalogue are a few illustrations showing what effect can be produced in Galvanized Iron or Sheet Metal, the variety of designs is unlimited, so that any special design or effect that may be required can be obtained. I shall always be pleased to quote prices on architects' or engineers' special drawings. The bulks of the first story are always in wood and can readily be obtained from the local planing mill by your carpenter. The first story pilasters are galvanized iron unless cast iron is especially desired.

The architectural appearance obtained in these fronts, especially the relief work is equal in every respect to that obtainable in either cut stone, cast iron, or terra cotta, while their cost is less than one-quarter.

They are no experiment, having been successfully used the last fifteen years.

In writing for prices send width of front, the height of stories, and the number of windows in each story.

BOXED AND SHIPPED TO ANY PART OF THE COUNTRY AND
PUT UP IF REQUIRED.

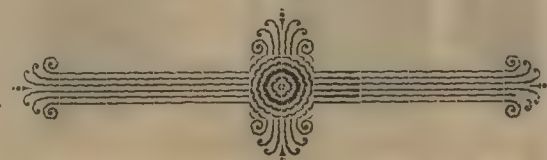
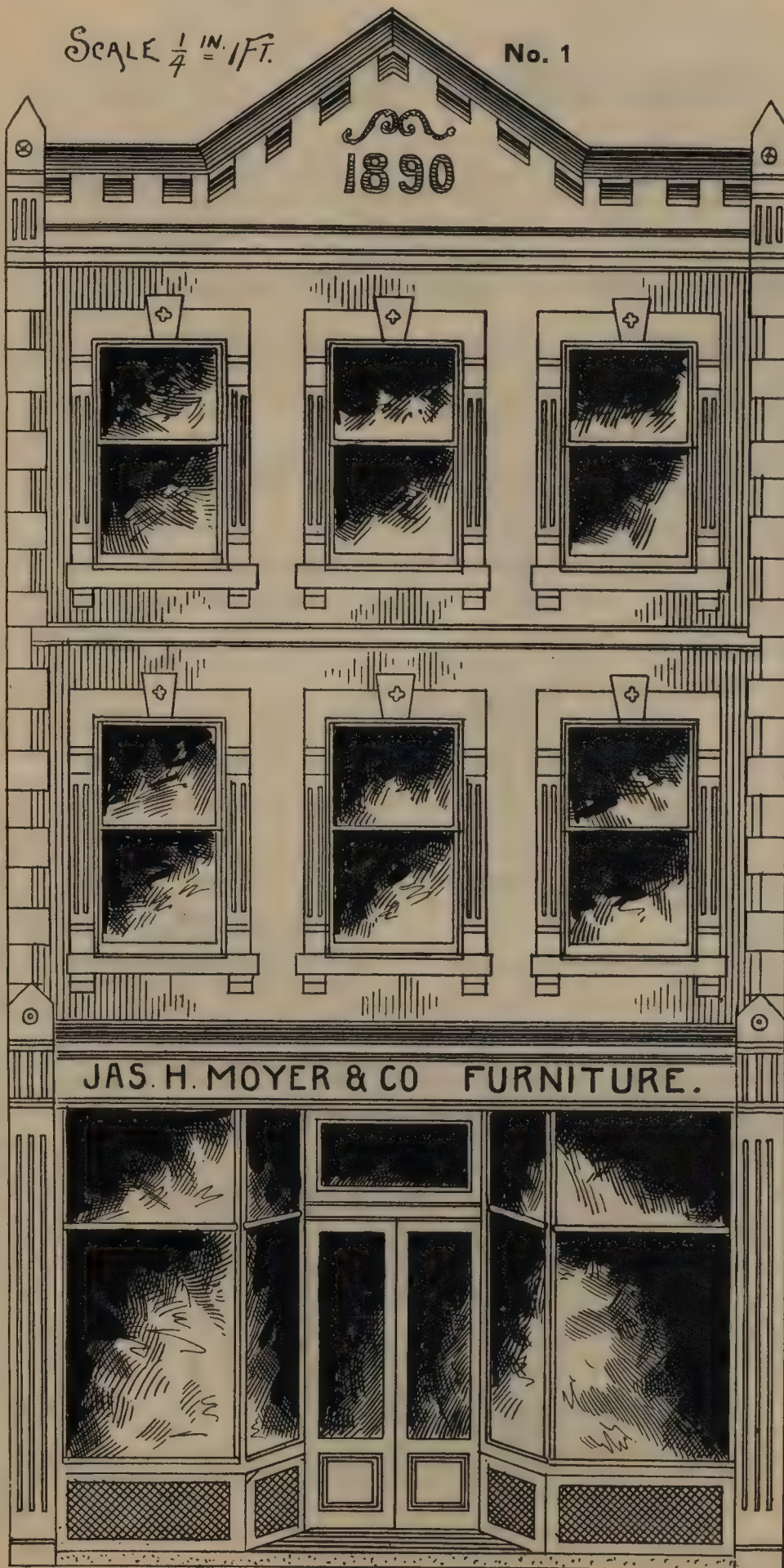
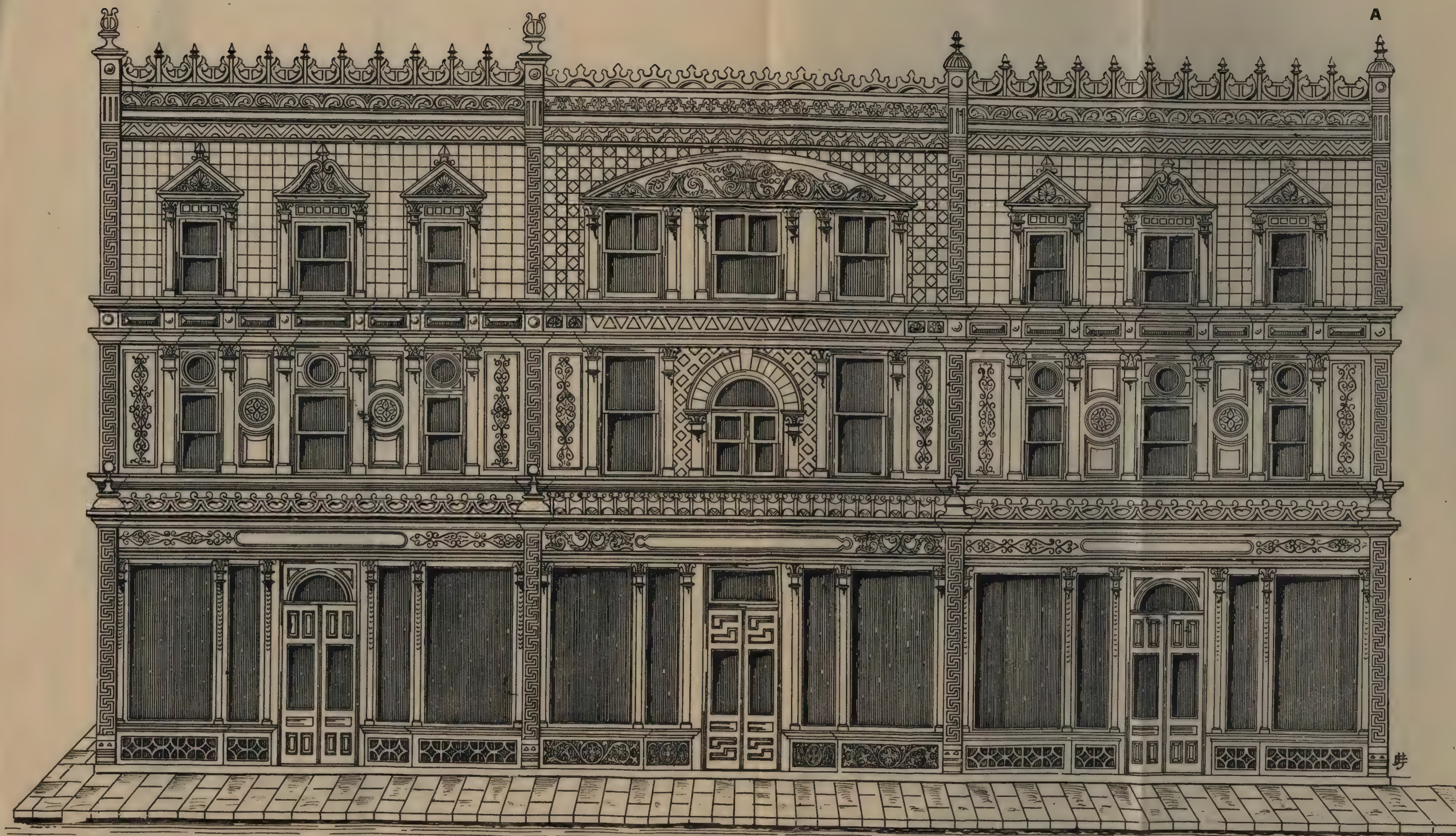


Plate W—GALVANIZED SHEET METAL FRONT.

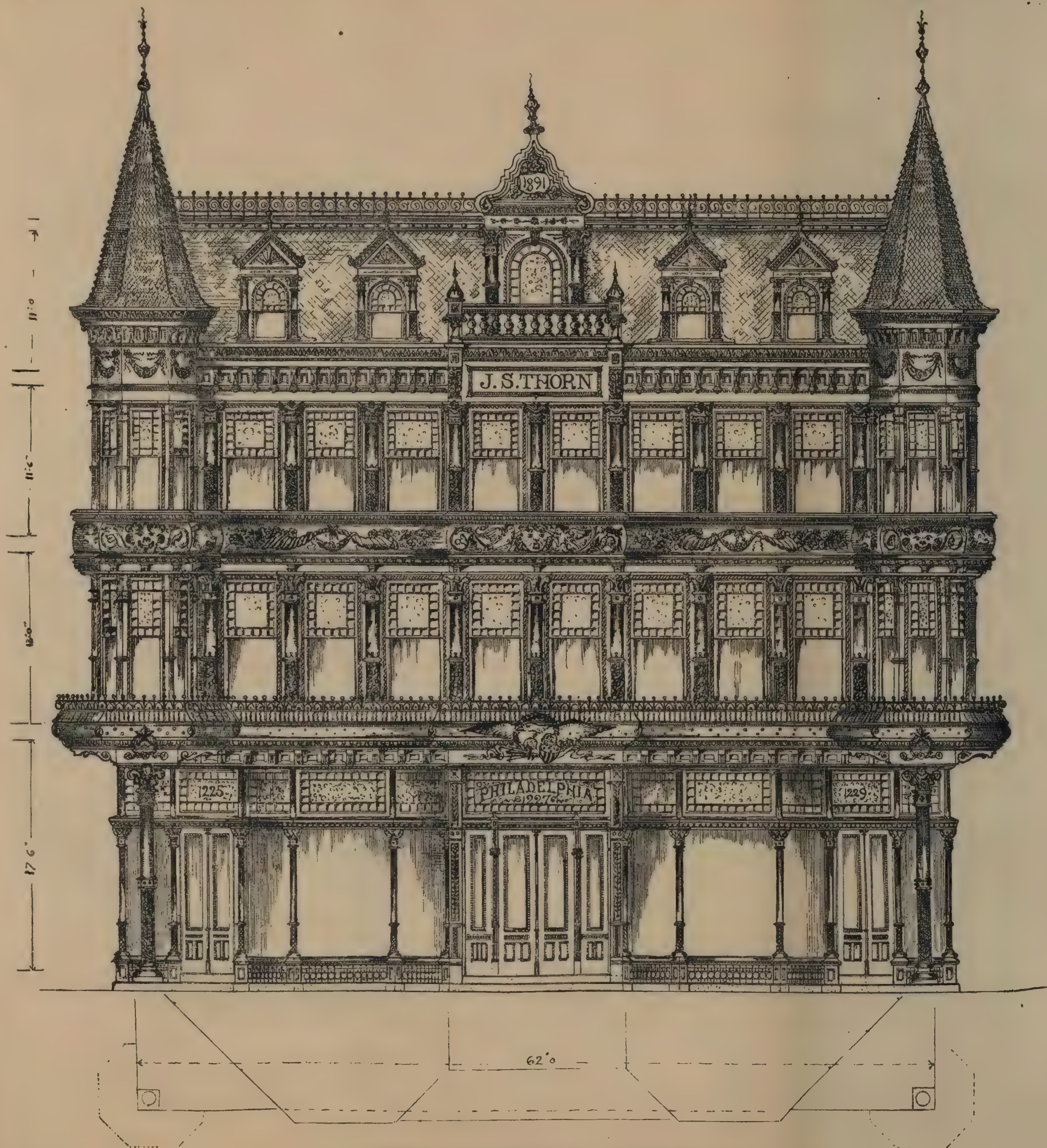
SCALE $\frac{1}{4}$ " = 1 FT.

No. 1





SHEET METAL FRONT.



SHEET METAL FRONT.

SHEET METAL FRONT.

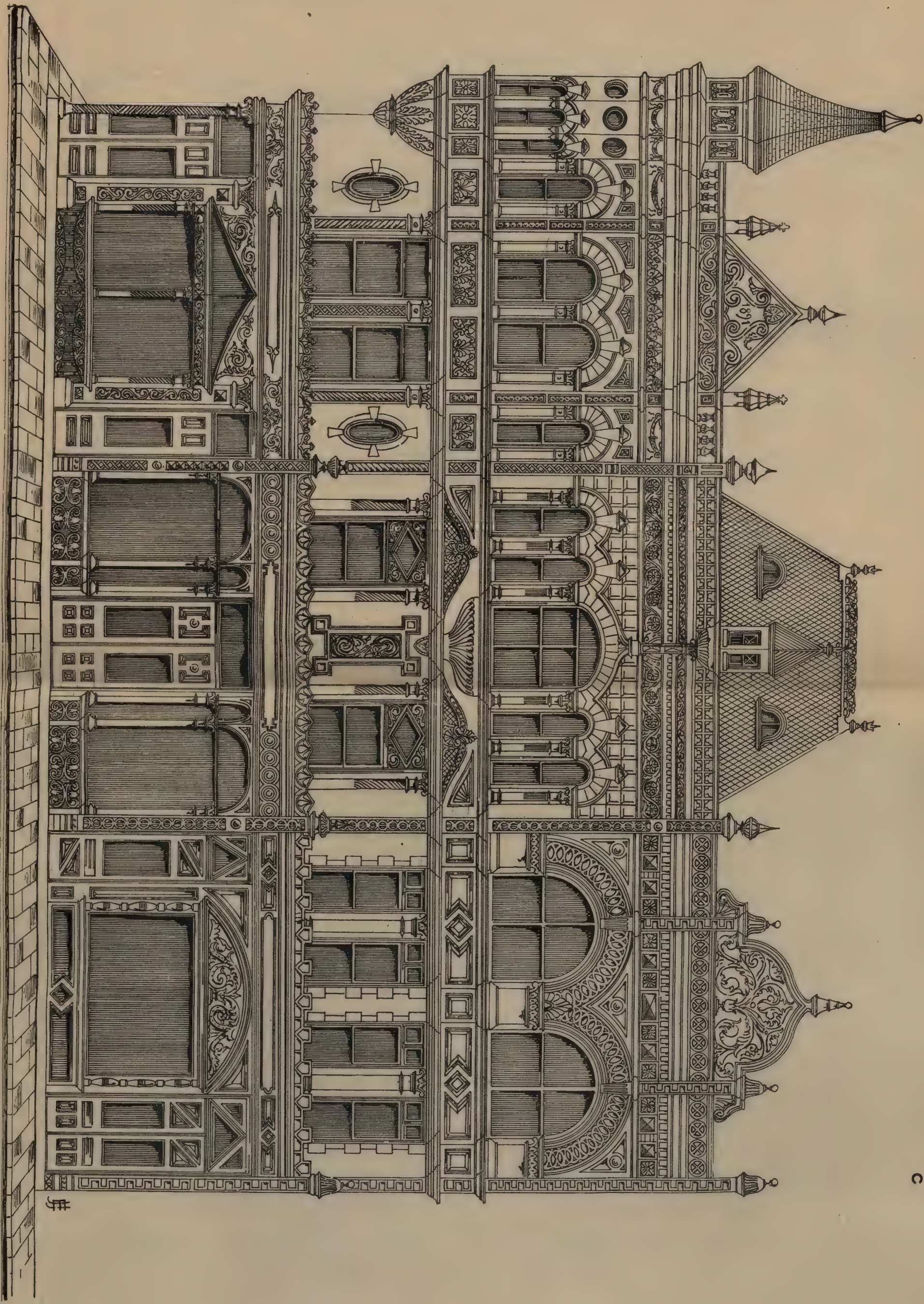
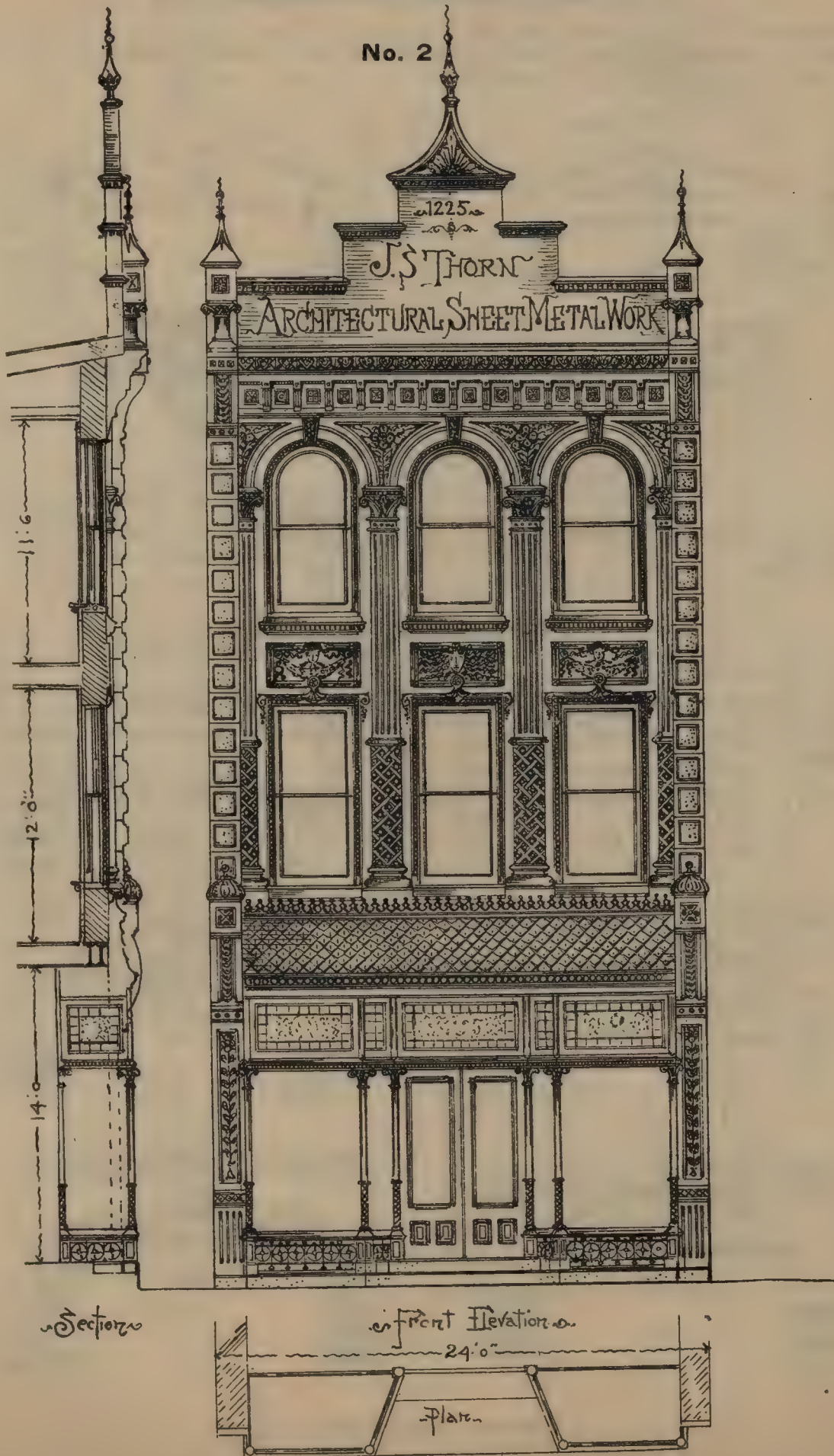


Plate X—GALVANIZED SHEET METAL FRONTS.

No. 2

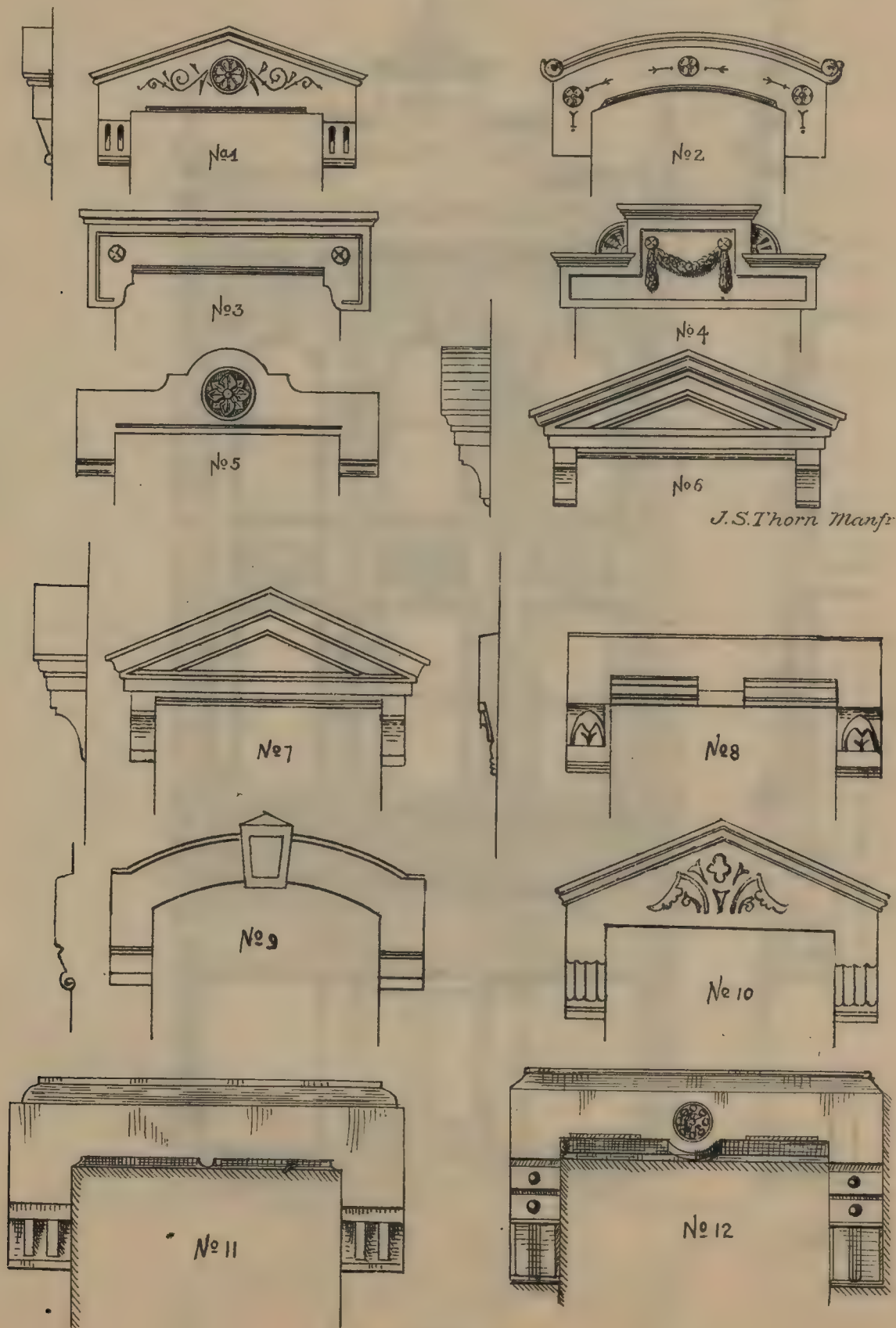


Can be made any size required.

WRITE FOR ESTIMATE.

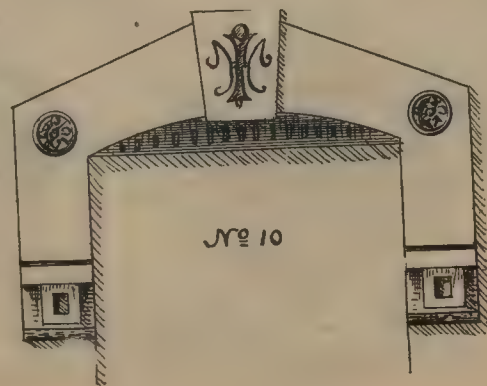
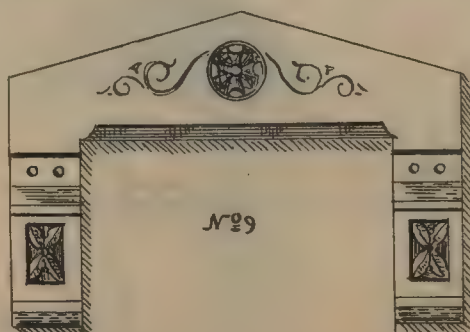
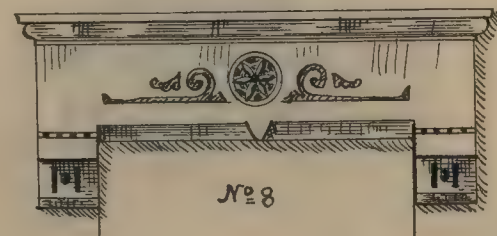
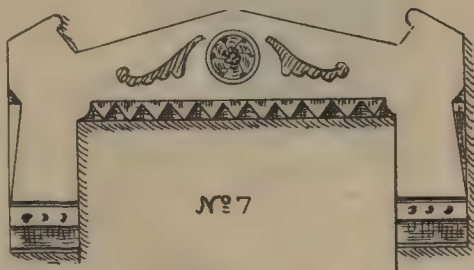
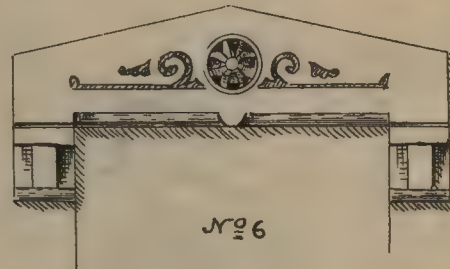
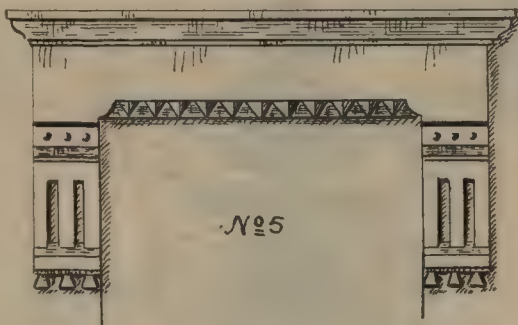
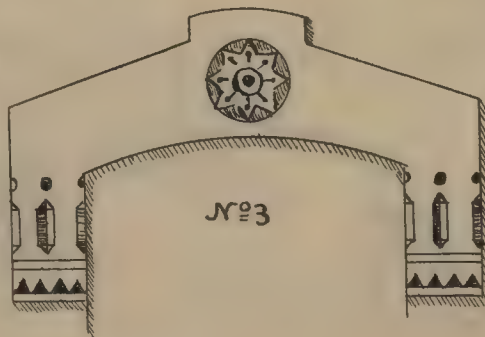
Plate Y—WINDOW HEADS.

All prices are based on openings not over 3 ft. 6 in. wide. If openings are wider than 3 ft. 6 in. they will be subject to a special price. In sending sizes, send the exact width of the opening, state if they are for square, circular or segment head frames; give the distance the frame sets back from the face of the wall, and in circular head frames send the spring of the arch.



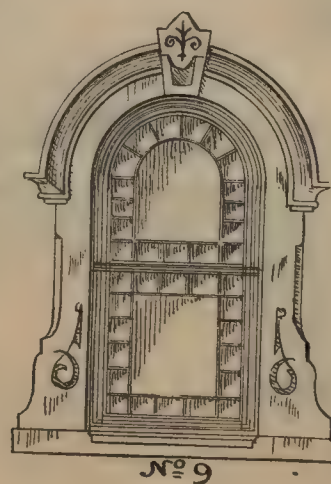
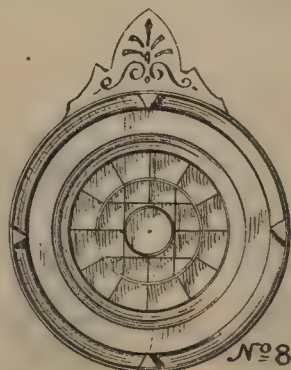
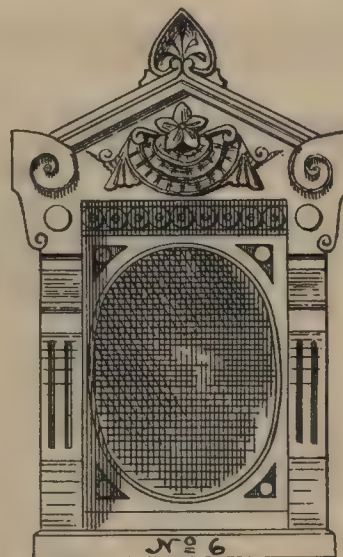
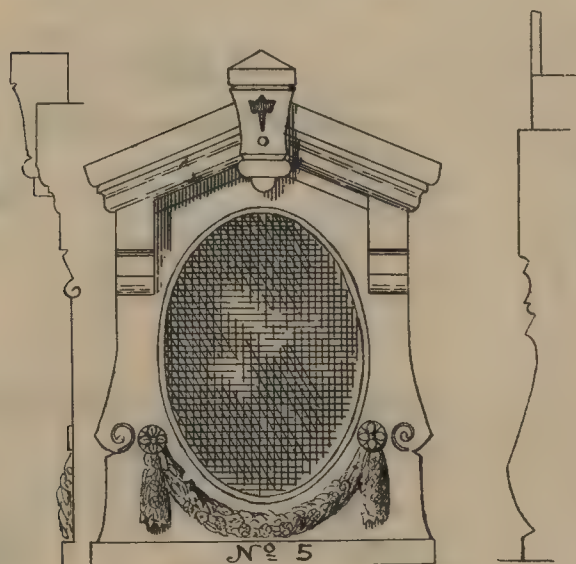
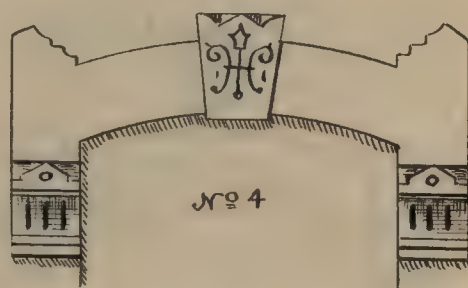
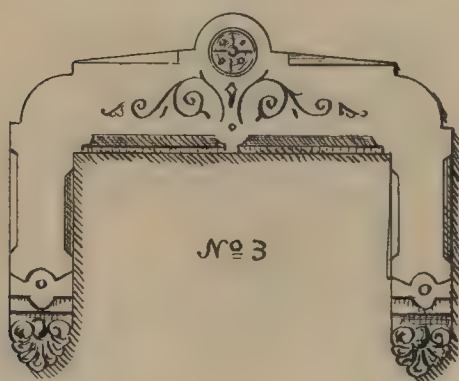
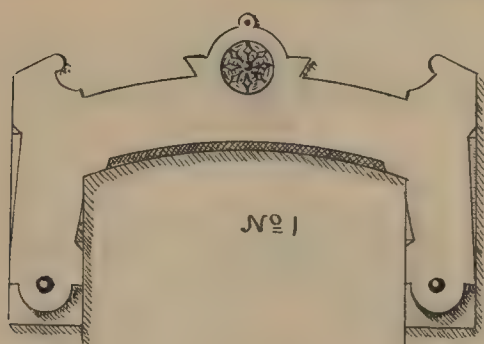
WRITE FOR PRICES.

Plate Z—WINDOW HEADS—Continued.



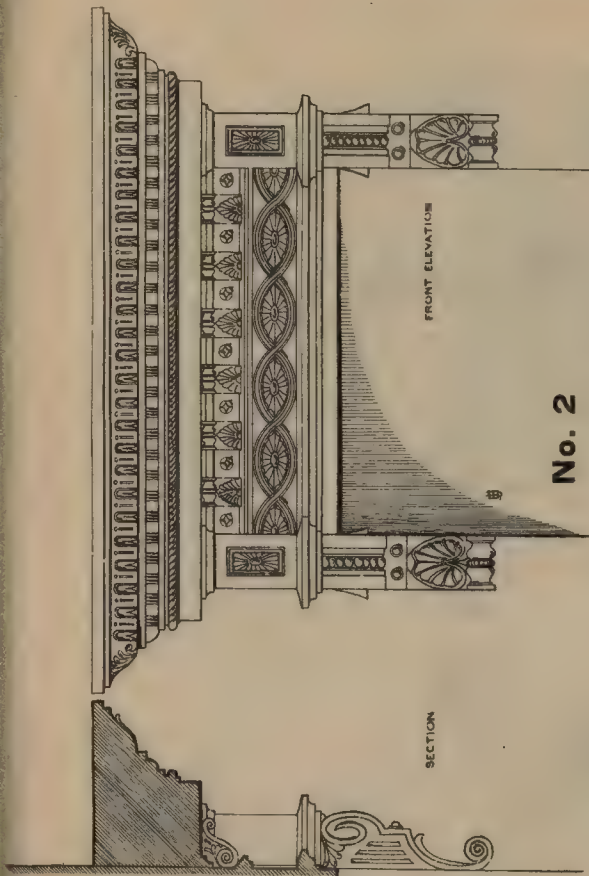
WRITE FOR PRICES.

Plate A 1—WINDOW HEADS, Etc.

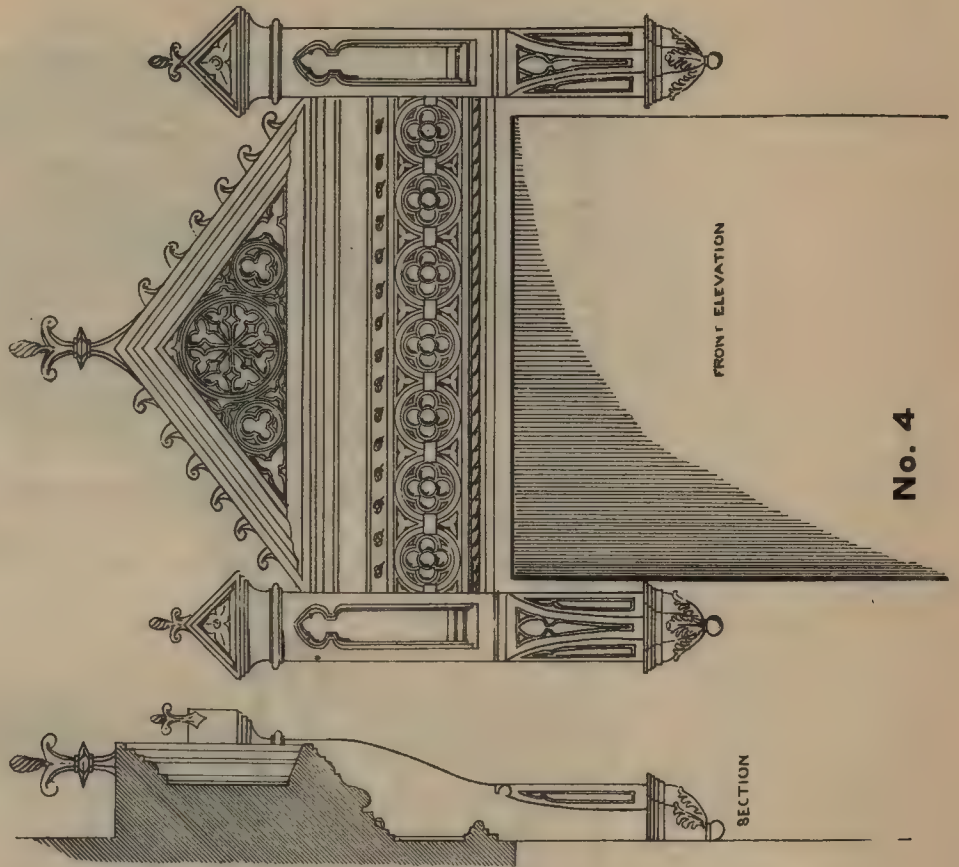


WRITE FOR PRICES.

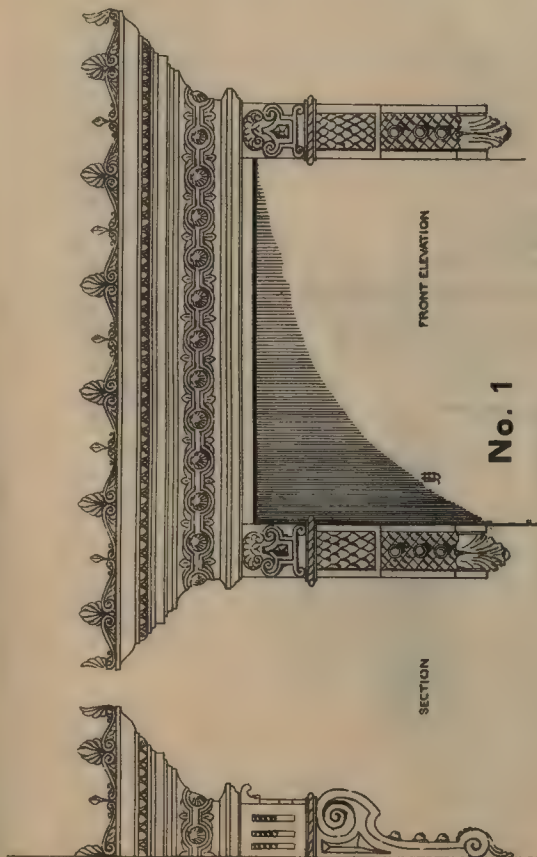
Plate A 2—WINDOW HEADS—Continued.



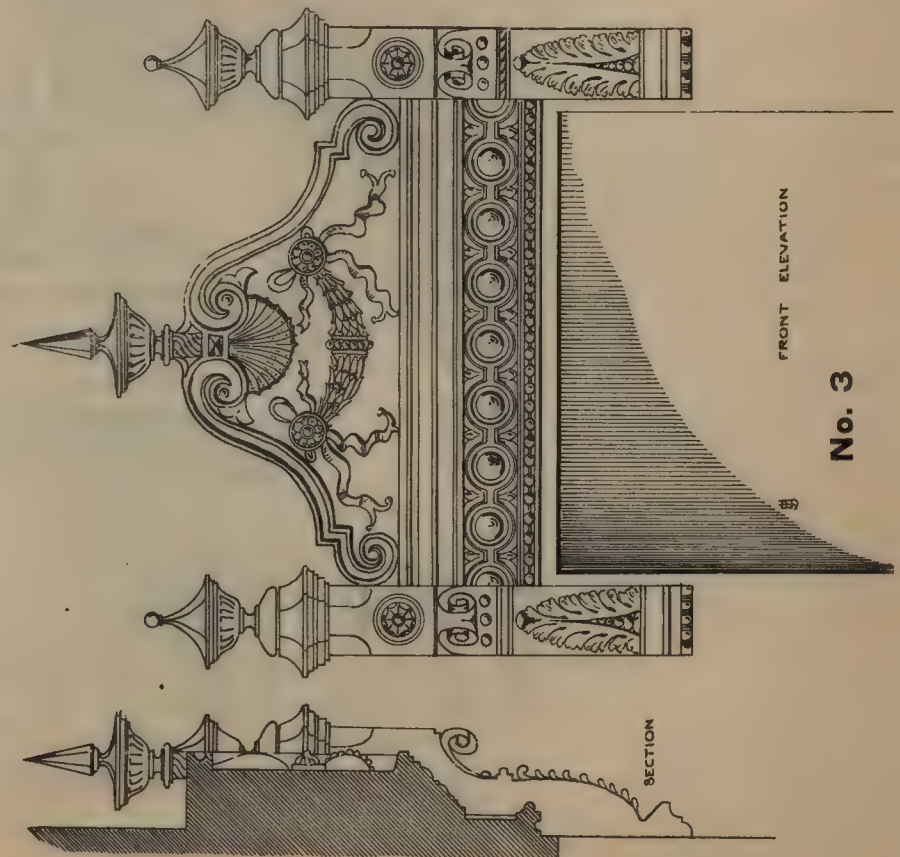
No. 2



No. 4



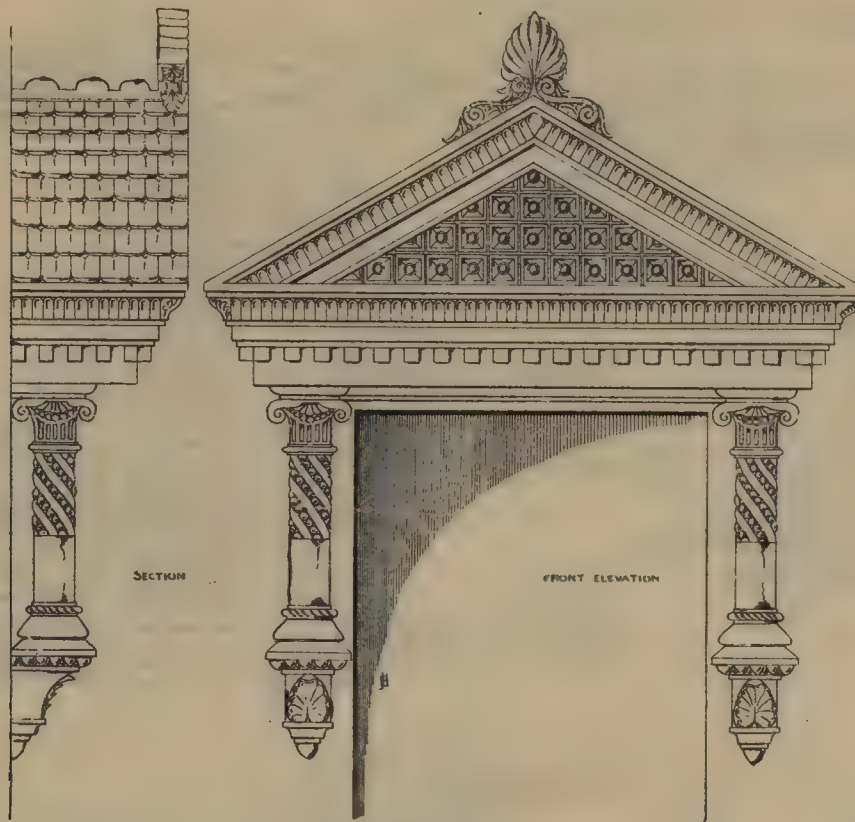
No. 1



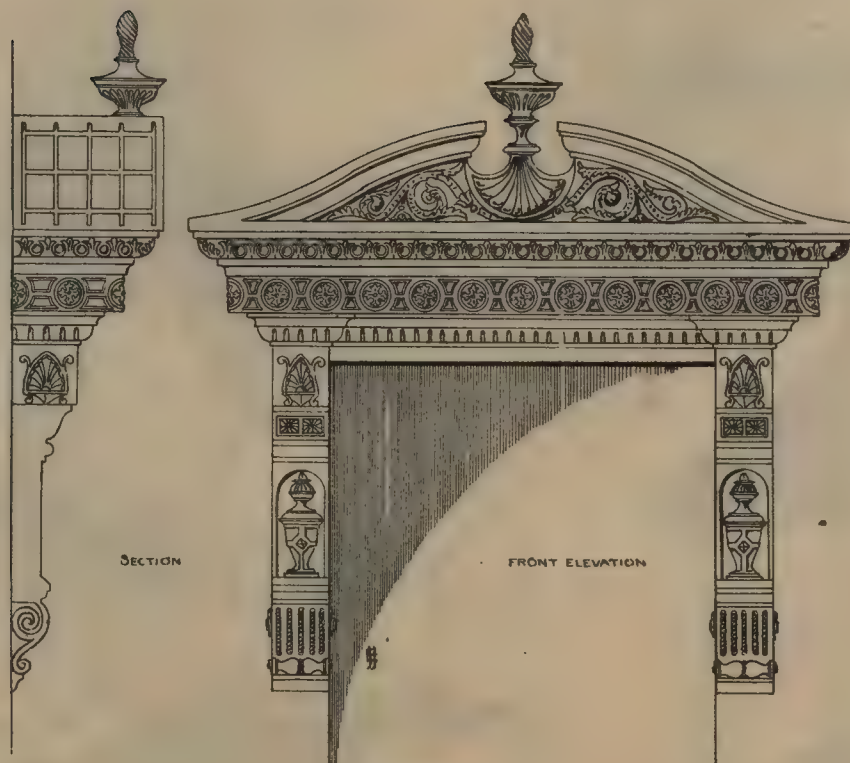
No. 3

WRITE FOR PRICES.

Plate A 3.



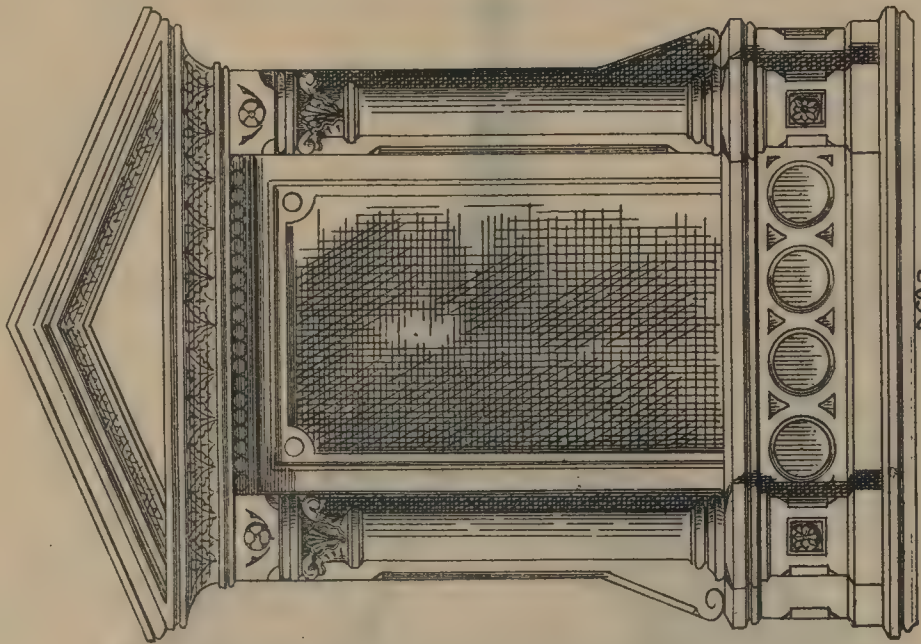
No. 1



No. 2

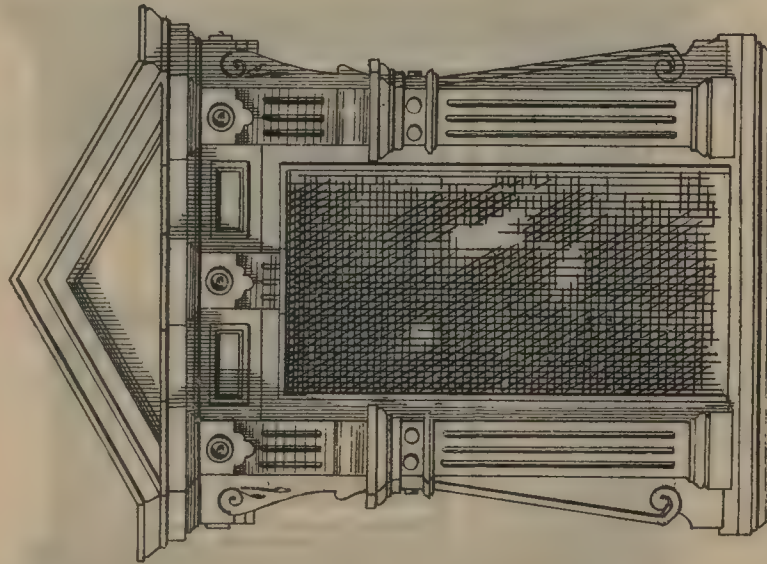
WRITE FOR PRICES.

Plate B 1—DORMER WINDOWS, &c.



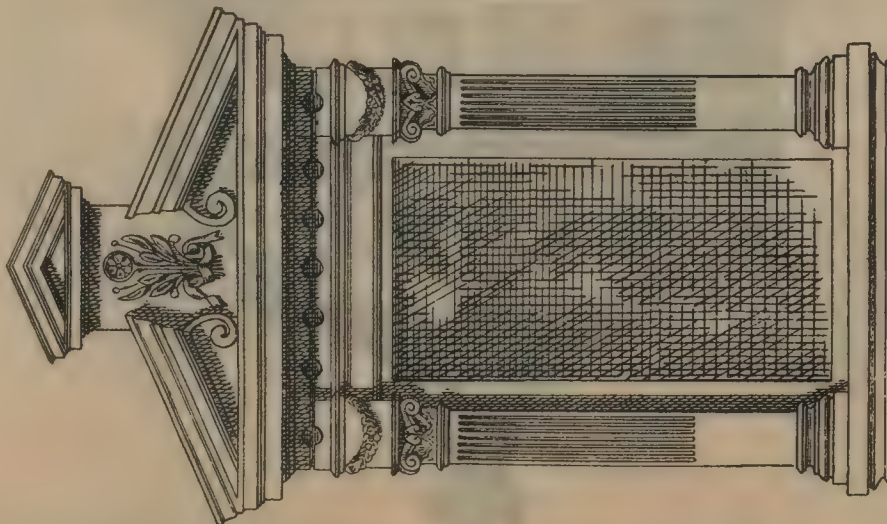
No. 3

12 feet high.



No. 2

10 feet high.



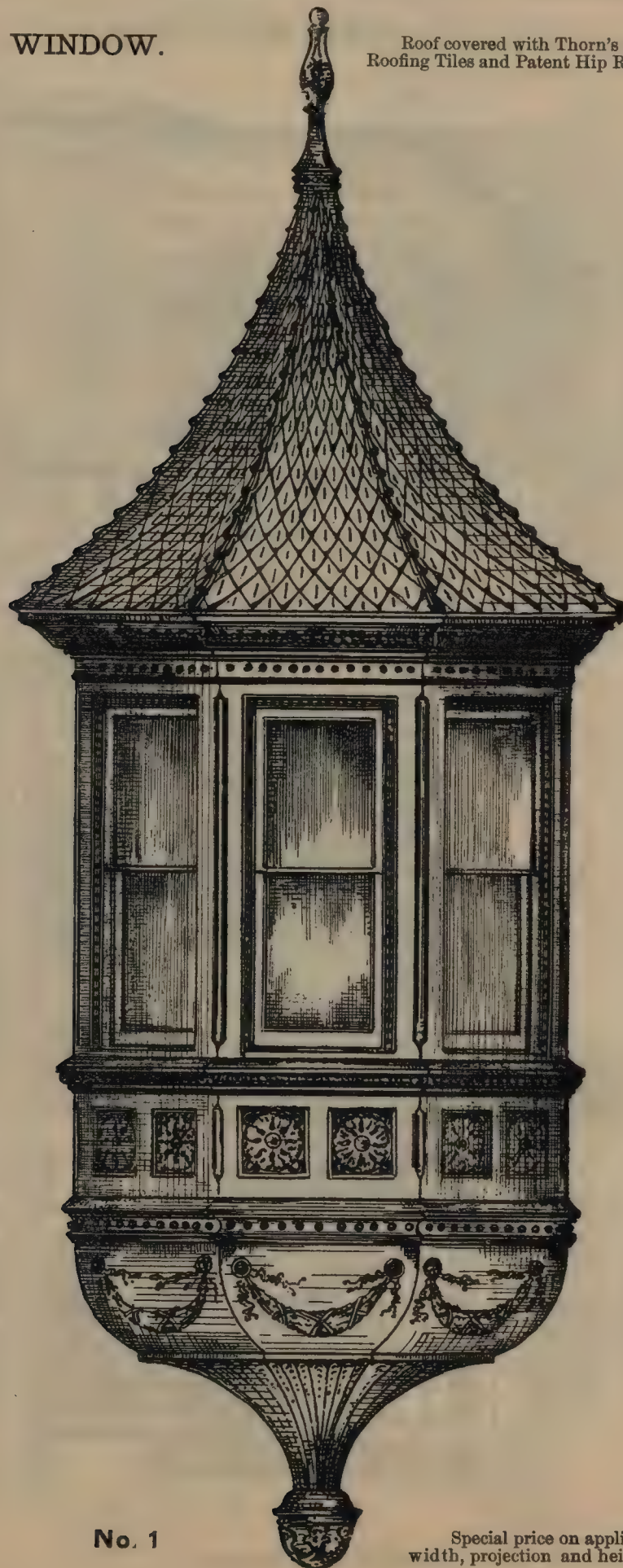
No. 1

12 feet high.

WRITE FOR PRICES.

Plate C 1—ORIEL WINDOW.

Roof covered with Thorn's Diamond Pattern Tin
Roofing Tiles and Patent Hip Rolls on Hips.



No. 1

Special price on application giving the
width, projection and height required.

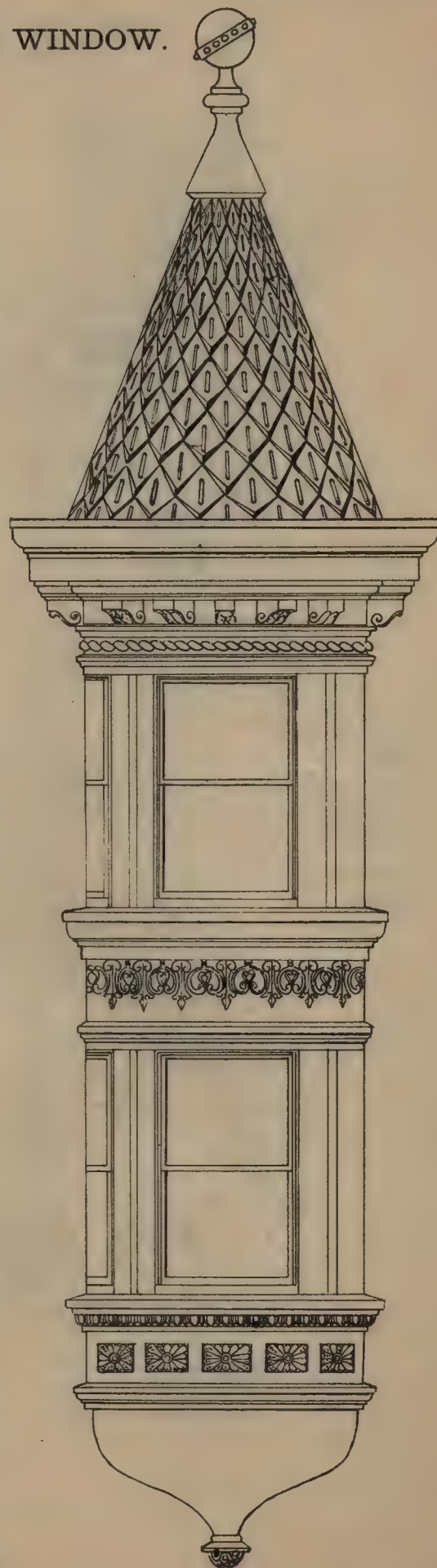
Plate D 1—CORNER CIRCULAR BAY or ORIEL WINDOW.

Diamond Pattern Tin Tiles for Roof Covering.



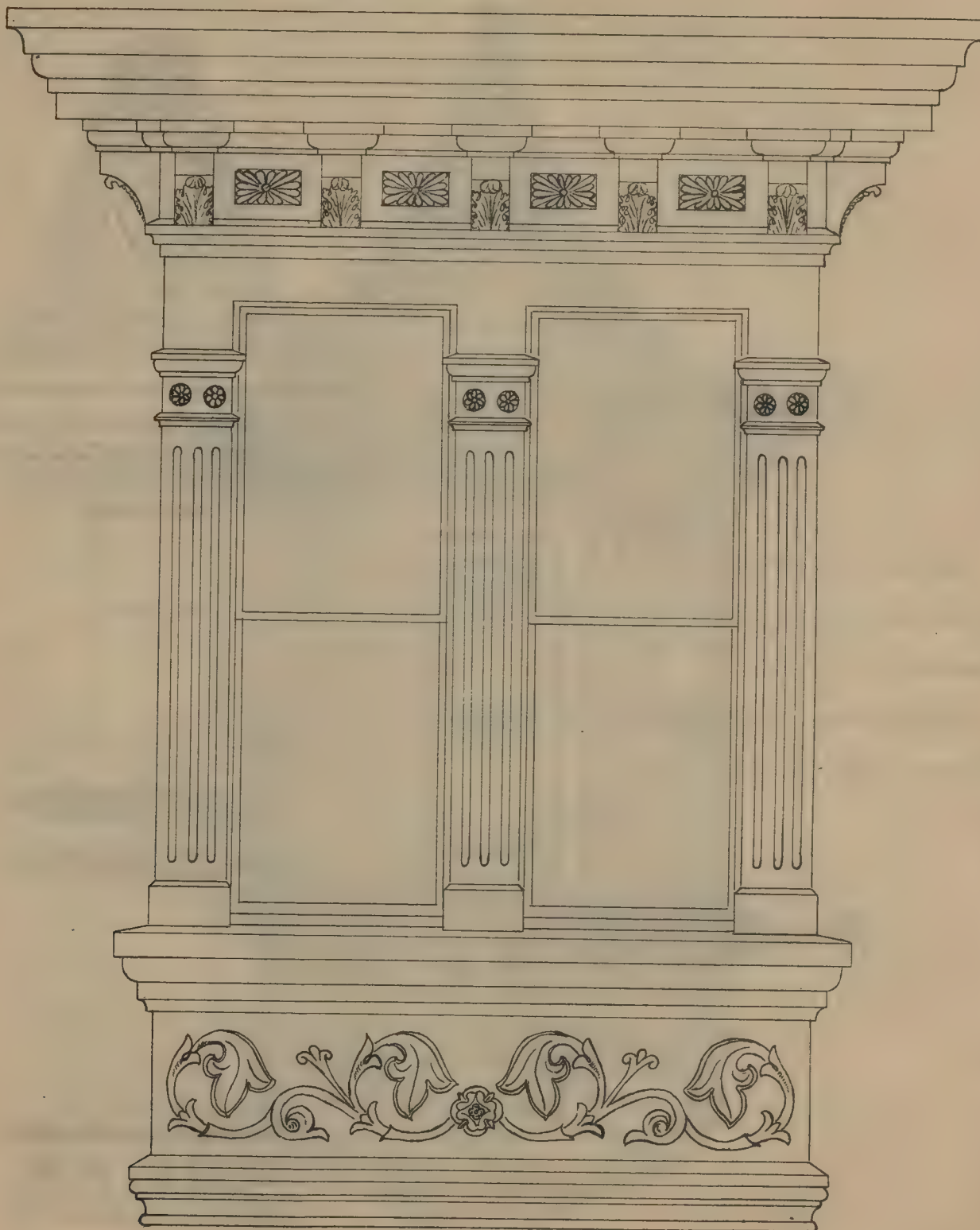
Bay and Oriel Windows, Towers and Pinnacles made from any special designs furnished by engineers and architects.

Special prices on application, giving height of stories, radius and size of windows.



WRITE FOR ESTIMATE.

Plate D 2—BAY WINDOW.



Special prices on application, giving width and projection.

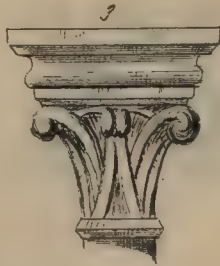
Plate E 1—CAPITALS AND PIER TOPS.



No. 1.



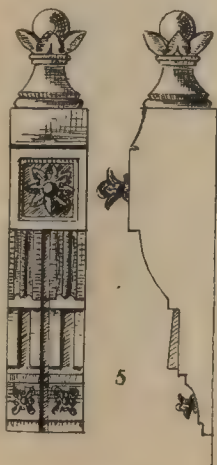
No. 2.



No. 3.



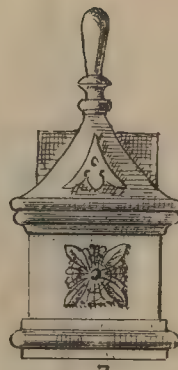
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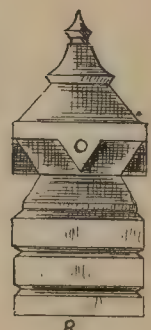
No. 5.



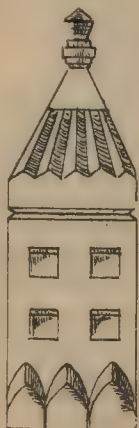
No. 6.



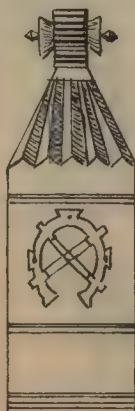
No. 7.



No. 8.



No. 9.



No. 10.



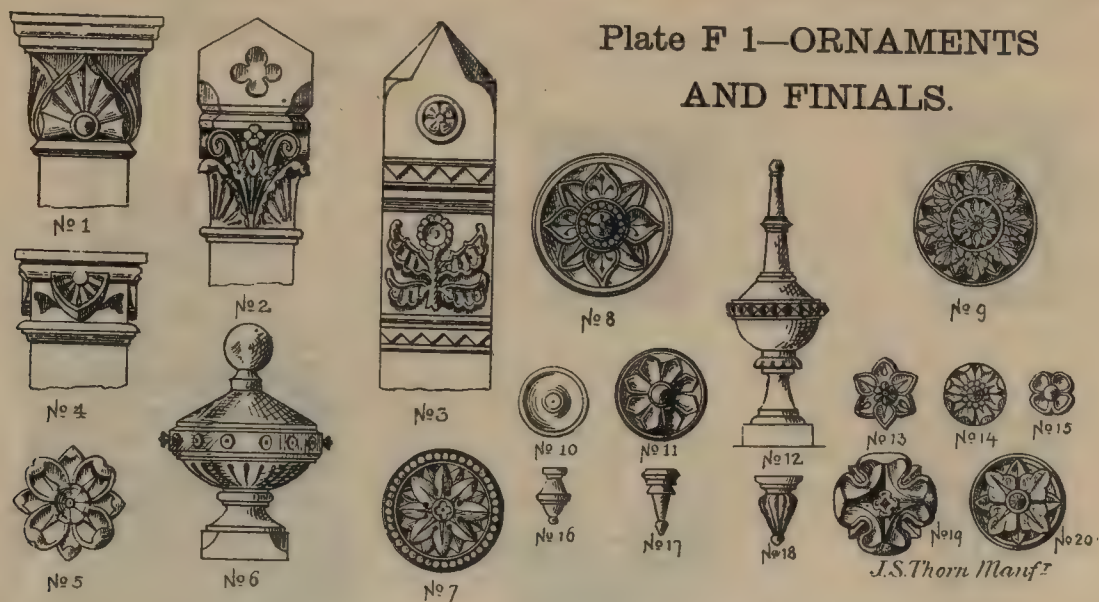
No. 11.



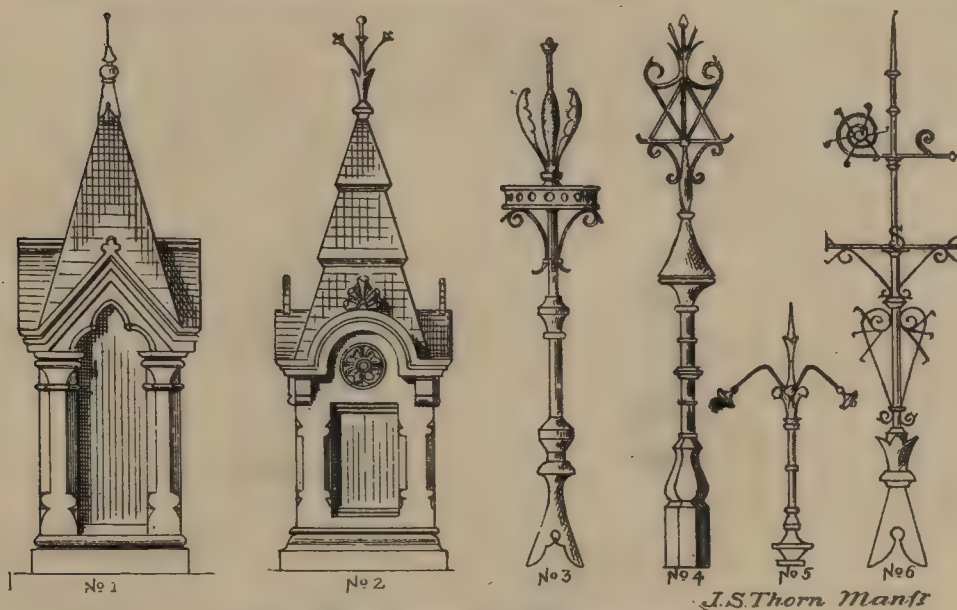
No. 12.

WRITE FOR PRICES.

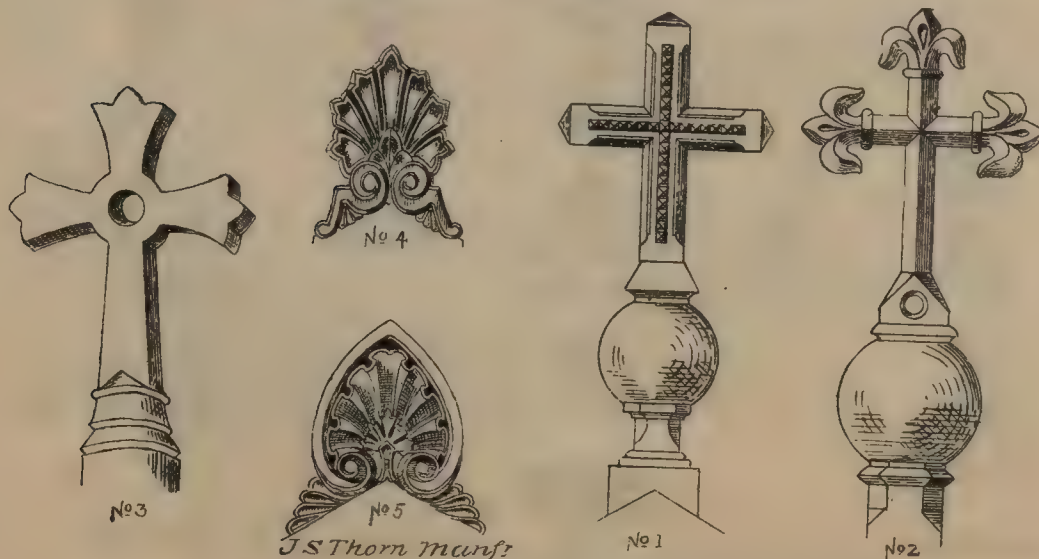
Plate F 1—ORNAMENTS AND FINIALS.



Rosettes and Ornaments of every description manufactured to order.



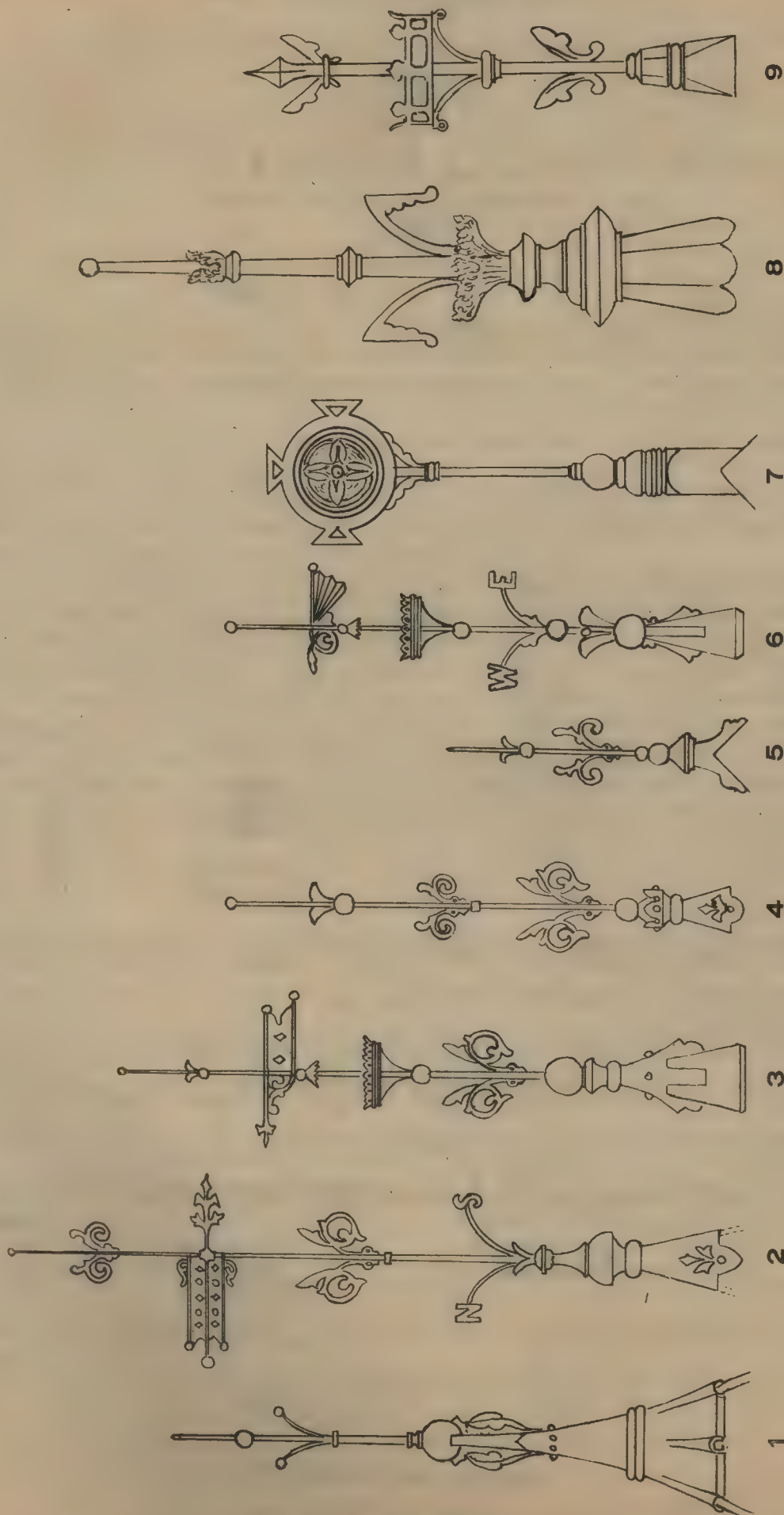
Pinnacles and Finials of any design made to order.



Crosses for Church Spires made from architects' designs, plain or gilded.

WRITE FOR PRICES.

Plate G 1—FINIALS.

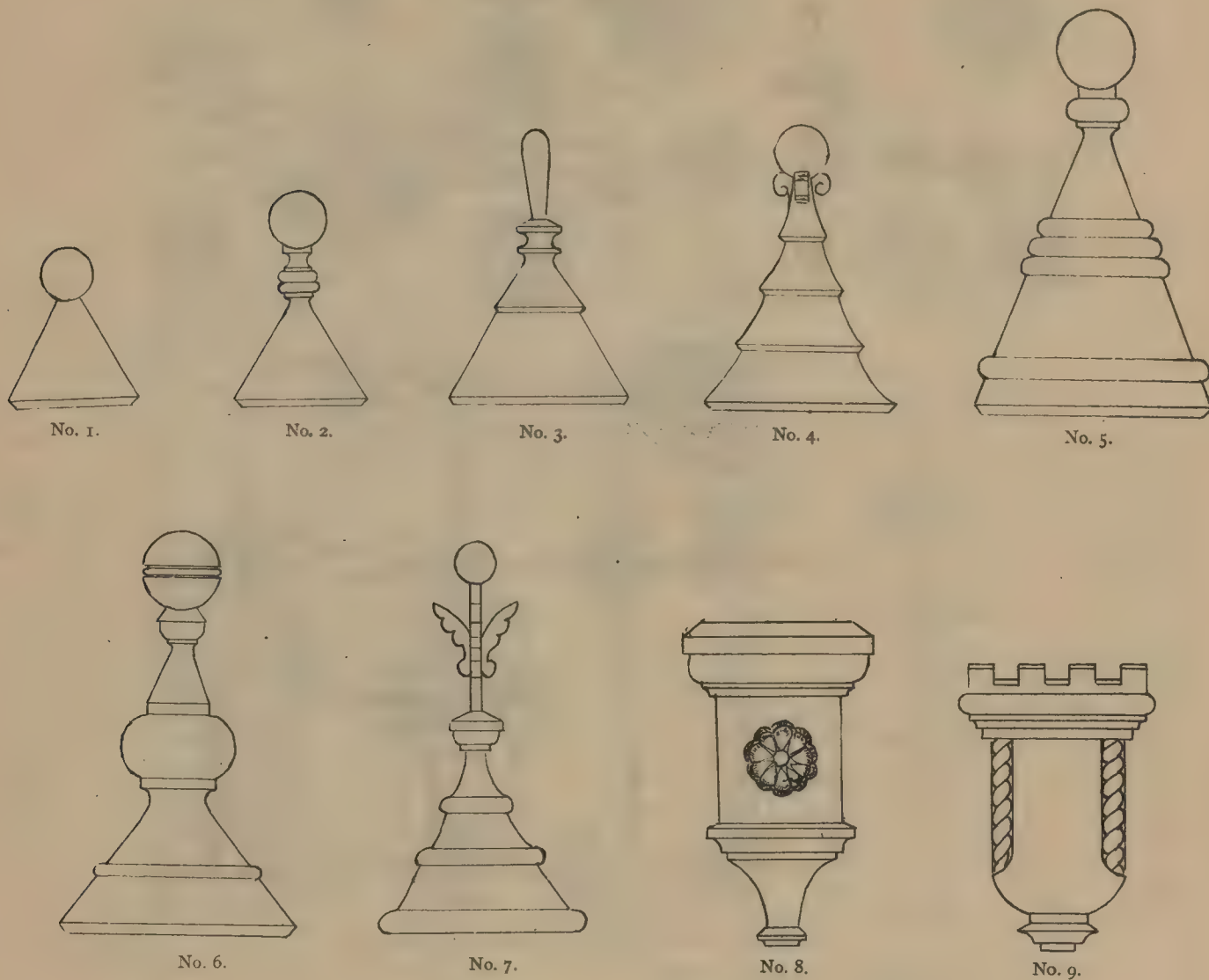


In ordering finials always state if they are for square, octagon or round towers, and send pitch of roof.

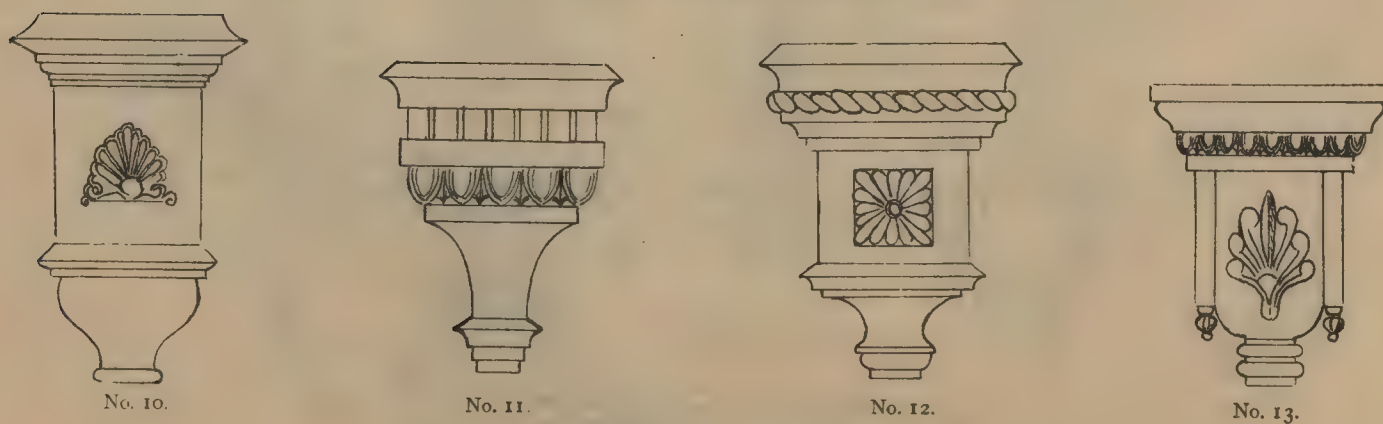
WRITE FOR PRICES.

Plate G 2.

In ordering, please state if the finials are for a square or round tower, and send pitch of roof.



Conductor Pipe Heads.



WRITE FOR PRICES.

SKYLIGHT DEPARTMENT.



WITH many years' experience as a builder of iron and glass structures and with more improved machinery and increased facilities, I am prepared to execute all orders or contracts in this line with promptness and despatch. The principle that these glazed structures are built on are well known and tried principles (no experiment) the best material is used and skilled workman only are employed, hence the work is durable and accurate. The work manufactured in these shops and constructed by me has the endorsement of all the leading engineers and architects throughout the United States.

The sash-bars or frame of the Skylights, are made of galvanized iron, copper or brass, and the lights are made either flat, double pitch, hipped, dome-shaped or curved, and with or without side-tilting sashes, and can have tubular, ridge or side ventilators, as required, or both, if desired.

These skylights (unless very large) are built in shop and set in place complete on building, or they can replace the old wood sash skylight already on a building, without any alteration in the roof in a very short time, causing no inconvenience to parties doing business in the building.

They are glazed with hammered or rough plate, fluted or ribbed glass, and are boxed and shipped on cars here, or put up in place anywhere, if desired, and are guaranteed to be and remain absolutely snow and water tight, while allowing for escape of condensation; they are fire-proof frames because of metal; there is no breakage of glass because expansion and contraction is allowed for; they are light, strong, durable and economical, because they never get out of order; are cheaper than any other iron frame made, and VASTLY SUPERIOR. Can glaze with or without putty, but advise enough putty used to bed the glass and give it an even bearing, beside retaining heat in cold weather.

J. S. THORN.

These Skylights are endorsed by, and specified for, by all the leading Architects and Engineers throughout the United States, and are guaranteed to be and remain absolutely snow and water tight, while admitting of an escape for condensation in every case, and further guaranteed to be of the best workmanship and material.

Small Ventilating Skylights for Private Residences.

All private residences should have a small Skylight over stairway for light and ventilation. Stairways in most residences are dark, causing great inconvenience. I am keeping in stock a large number of these small Skylights—sizes run from 3 ft. square to 3 ft. x 6 ft. long—complete and ready to set in place on either new or old houses, and no house should be without them.

SKYLIGHT DEPARTMENT—Continued.

How Delivered.

These Skylights are put up in Philadelphia, or delivered F. O. B. on cars here. Freight and travelling expenses added for other cities when work is required to be put up by us. They can be set in place by builder and glazed by glazier.

Medal Awarded Centennial International Exposition, Philadelphia, 1876.

JUDGES' REPORT ON AWARDS.

For the ingenuity displayed in the construction of the various articles, based on sound principles, and especially for the perfection arrived at in the construction of Skylights.

A. T. GOSHORN, Director-General.

J. L. CAMPBELL, Secretary.

J. R. HAWLEY, President.

RECIPIENT OF FIFTY-TWO OTHER MEDALS AND DIPLOMAS, INCLUDING MEDALS OF EXCELLENCE AND MEDALS OF SUPERIORITY FROM

AMERICAN INSTITUTE, New York.

MECHANICS' INSTITUTE, Boston, Mass.

MARYLAND INSTITUTE, BALTIMORE, MD.

FRANKLIN INSTITUTE, PHILADELPHIA, PA.

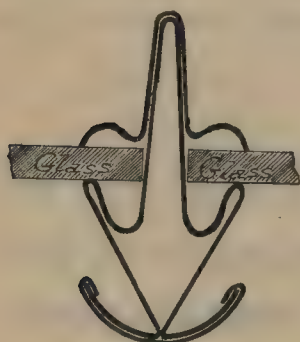
ST. LOUIS MECHANICAL ASSOCIATION, St. Louis, Mo.

This firm has done the largest work in the country in iron and glass constructions, and have lately completed the new iron and glass roof on Horticultural Hall, Fairmount Park, Philadelphia, covering over 25,000 sq. ft. of glazed roofing. This contract was awarded to the firm in competition with all other firms, and as against the English or *no putty* principle of glazing, and after the most careful examination into the various systems by a special committee of the Fairmount Park Commissioners, and our work was adopted and the contract awarded and completed in the short space of twelve weeks, without injury to the plants which remained in the building (and valued at \$150,000), either from frost or any other damage.

Over 8000 skylights have been built by this firm, and I refer to our work on buildings in the city, on the last pages of my skylight special catalogue.

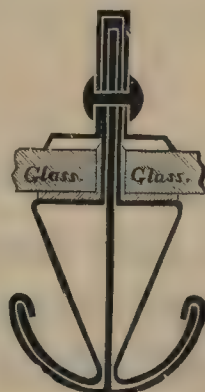
Cut, showing shape of Hayes' Skylight Sash Bar, with drip or condensing gutter and cap, and the bearings for glass. These bars are made in several sizes to suit sizes of the Skylights.

SECTION OF SASH BARS GLAZED WITH OR WITHOUT PUTTY.



No 5

Without Putty.



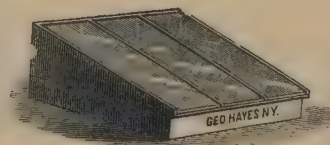
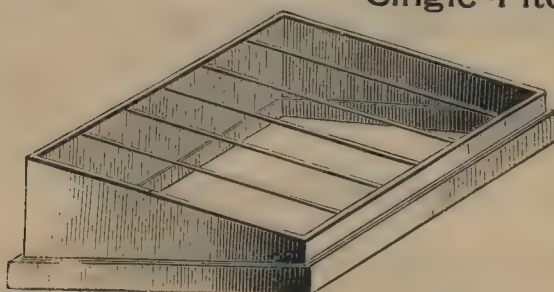
With Putty.



No 6

Without Putty.

Single-Pitch Skylights.



Illustrates a single-pitch Skylight. The pitch should be made in the wooden curb, except for small lights, when the pitch can be made in frame of Skylight. The curb should be properly flushed before setting skylight. Tubular, ridge or base ventilators can be added, if desired.

Plate 1—IRON and GLASS STRUCTURES—SKYLIGHTS—Continued.

Double-Pitch Skylights.

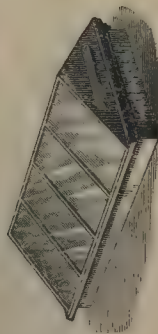
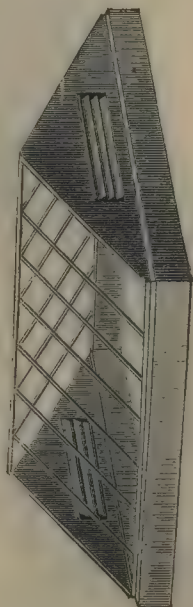


Fig. 24 A.

This form of Skylight has iron ends up to four feet wide; if wider, the curb should be formed of the same material as the roof, or covered in same manner, the Skylight setting over the curb.

These Skylights can have ventilators at the ends or on the ridge.

Hipped Skylights, without Ventilation.

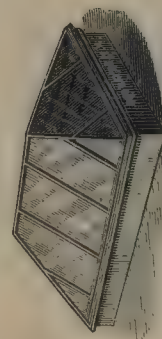


Fig. 23.

This form of Skylight is used over areas or hallways, or places where greatest amount of light is required. This Skylight gives the most light, except a turret light.

Hipped Skylight, with Ridge Ventilator.

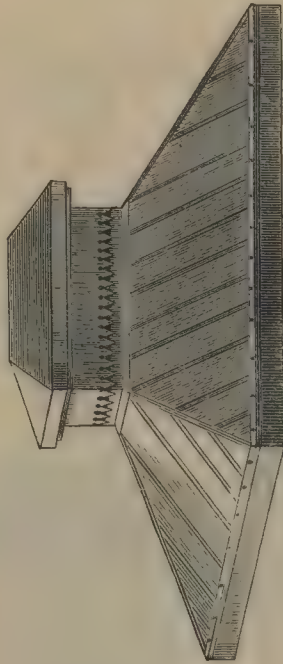
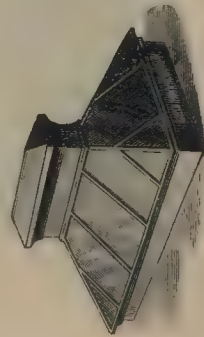
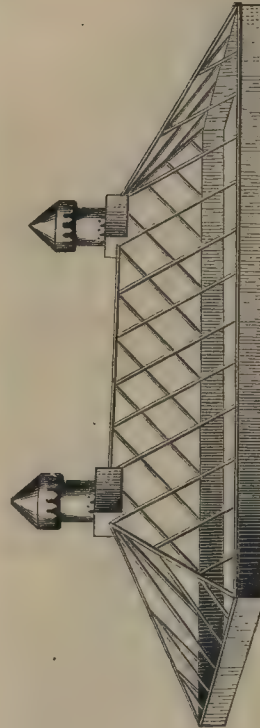


Fig. 22.



The ventilator, as here shown, is provided with a damper or flap to regulate the ventilation.

Hipped Skylights, with Tubular Ventilators.



These are used when the ridge is too long to admit of a continuous ventilator and causes much less obstruction to the light. Of course the number of tubular ventilators may be regulated according to the length of the ridge.



Fig. 22 A.

Plate 2—IRON and GLASS STRUCTURES—SKYLIGHTS—Continued.

Hipped Turret Skylight, with Movable Side Sashes.

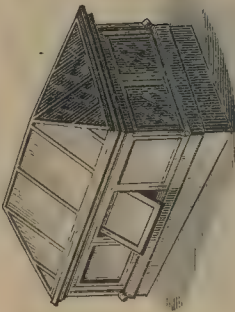


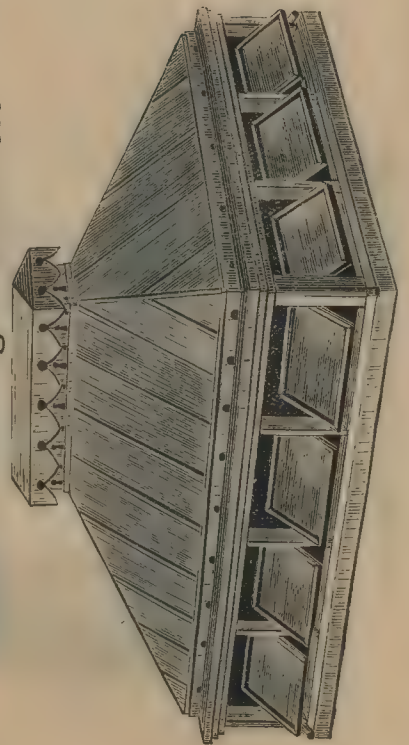
Fig. 26.

This Skylight is of the same construction as Fig. 23; it surmounts sides, composed of metal and glass sashes; those to open are supplied with an apparatus for operating them.

These Skylights are supplied with patented posts, composed of metal, having all necessary flanges; the sashes are provided with patented elastic flanges, the transom and other combinations included, and all are essential to a perfect and proper construction. The water from the roof is received in an exterior gutter and conveyed directly to the roof and not allowed to pass over the side sashes. Many features of this construction may be dispensed with and a cheaper skylight produced, but as I consider it would conflict with a true, proper and complete construction, I do not advise the omission of any. This, while the most effectual and the climax of skylight art, is, of course, the most expensive of the Hayes' production, and is the best ventilating skylight ever produced, and should be used on all good buildings.

WRITE FOR PRICES.

Hipped Turret Skylight, with Movable Side Sashes and Ridge Ventilator.



Hipped Skylights, with Base Ventilators inserted in the Curb.

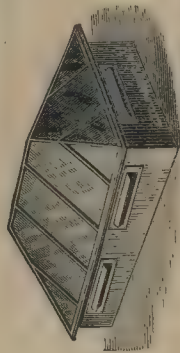


Fig. 23 B.

This Skylight is the same as Fig. 23, only with the addition of a gutter at the base, which surmounts the openings in the curb; whether the openings be base ventilators or wooden turret sides (sashes or louvres) it affords a safe means of catching all the water of the skylight, and conducting the same safely to the roof by means of small leaders at the four corners, thus avoiding the necessity for all water from the skylight passing over the sides, which endangers the openings and causes leakage.

Hipped Turret Skylights, with Stationary or Movable Louvred Sides.

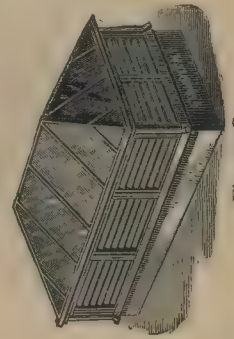
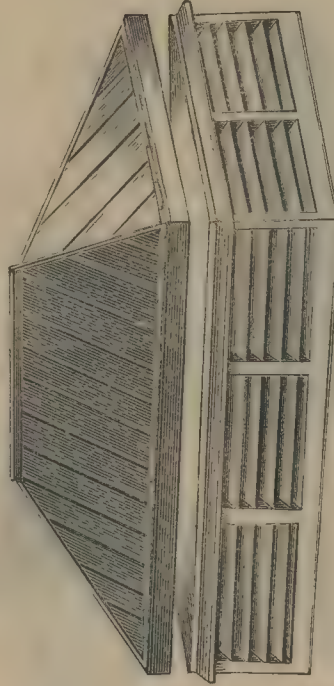


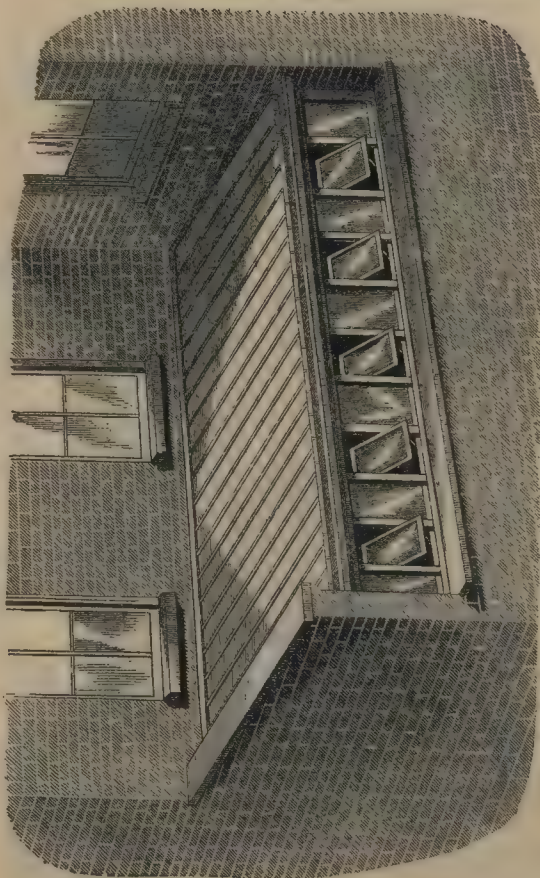
Fig. 23 C.

The louvres may be either stationary or movable; when movable may be operated by a patent opening apparatus. These are particularly adapted to breweries, boiler-houses and stables.

Pat. Dec. 7, 1875, Dec. 11, '77, Aug. 5, '79.

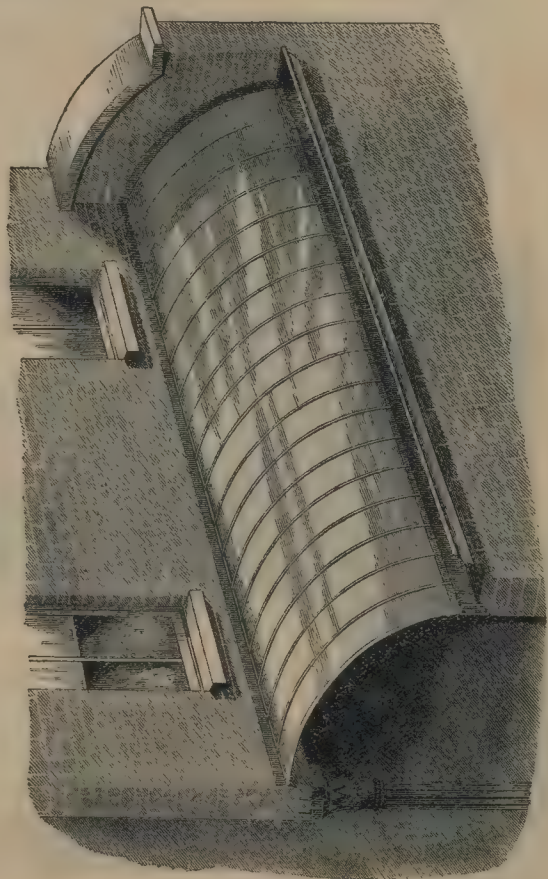
Plate 3—IRON and GLASS STRUCTURES—SKYLIGHTS—Continued.

Single Pitch Skylight.



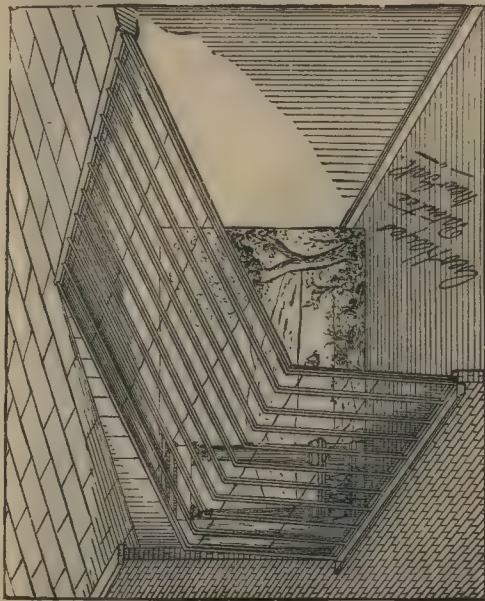
Single Pitch Skylight, with ventilating tilting sash on front, for rear of building, with patent fixing for working sashes.

Curved Skylight.



Curved Skylight, for rear of building.

Photographic Skylights.



Single plane, Hayes' patent (patented January 17, 1882) or double plane (vertical and slope), curved or bent to an angle as above, at intersection.

These Skylights are glazed with best double-thick glass and capped on the outside with lead caps.

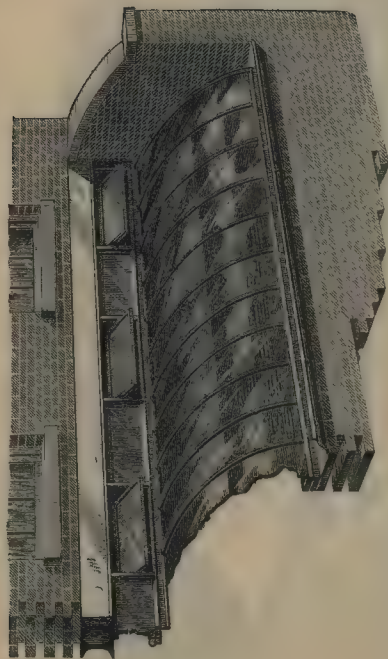
Single Pitch Skylight.



Single pitch glass roof or Skylight over counting-room, rear of store building.

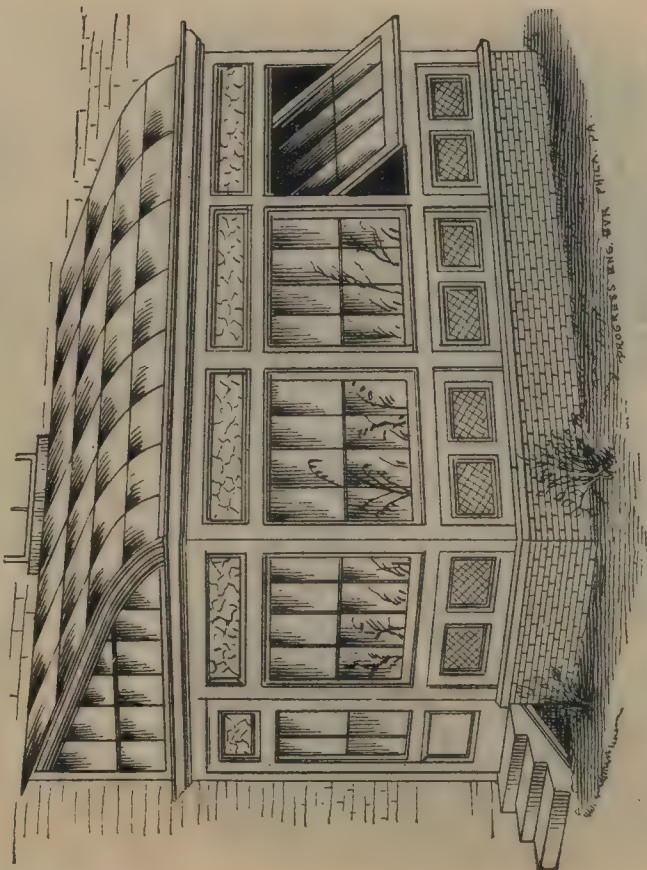
Plate 4—IRON and GLASS STRUCTURES—GREEN-HOUSES.

Curved Skylights.



Curved Skylight, with ventilating sash, for rear of buildings.

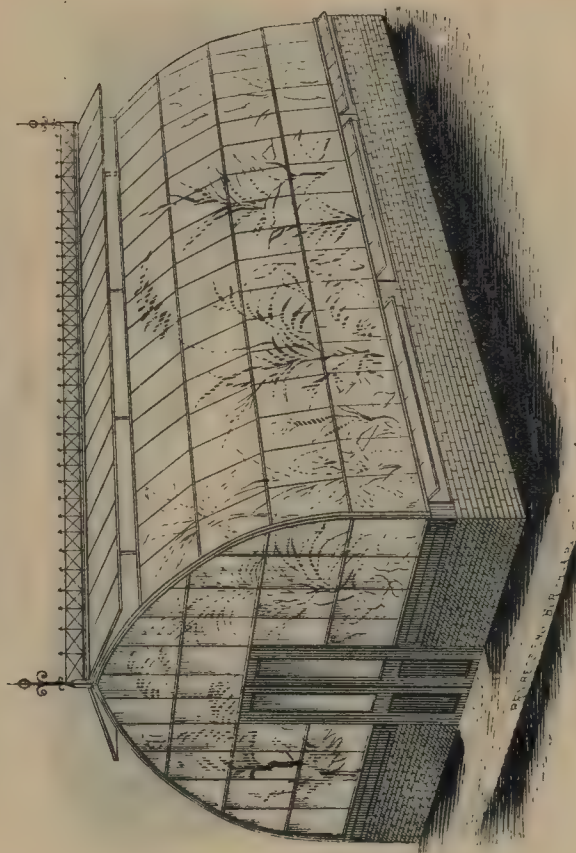
Conservatories and Green-Houses.



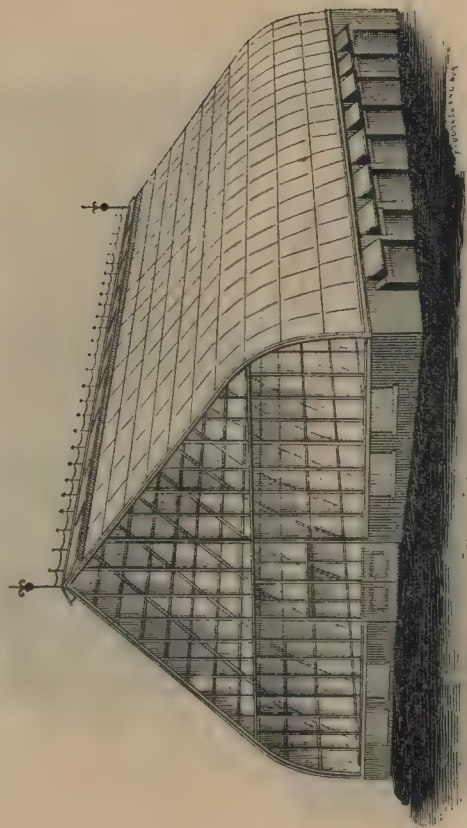
Conservatory adjoining and connecting with city or country residence.

Makes a very fine addition to a house.

Curved Conservatories.

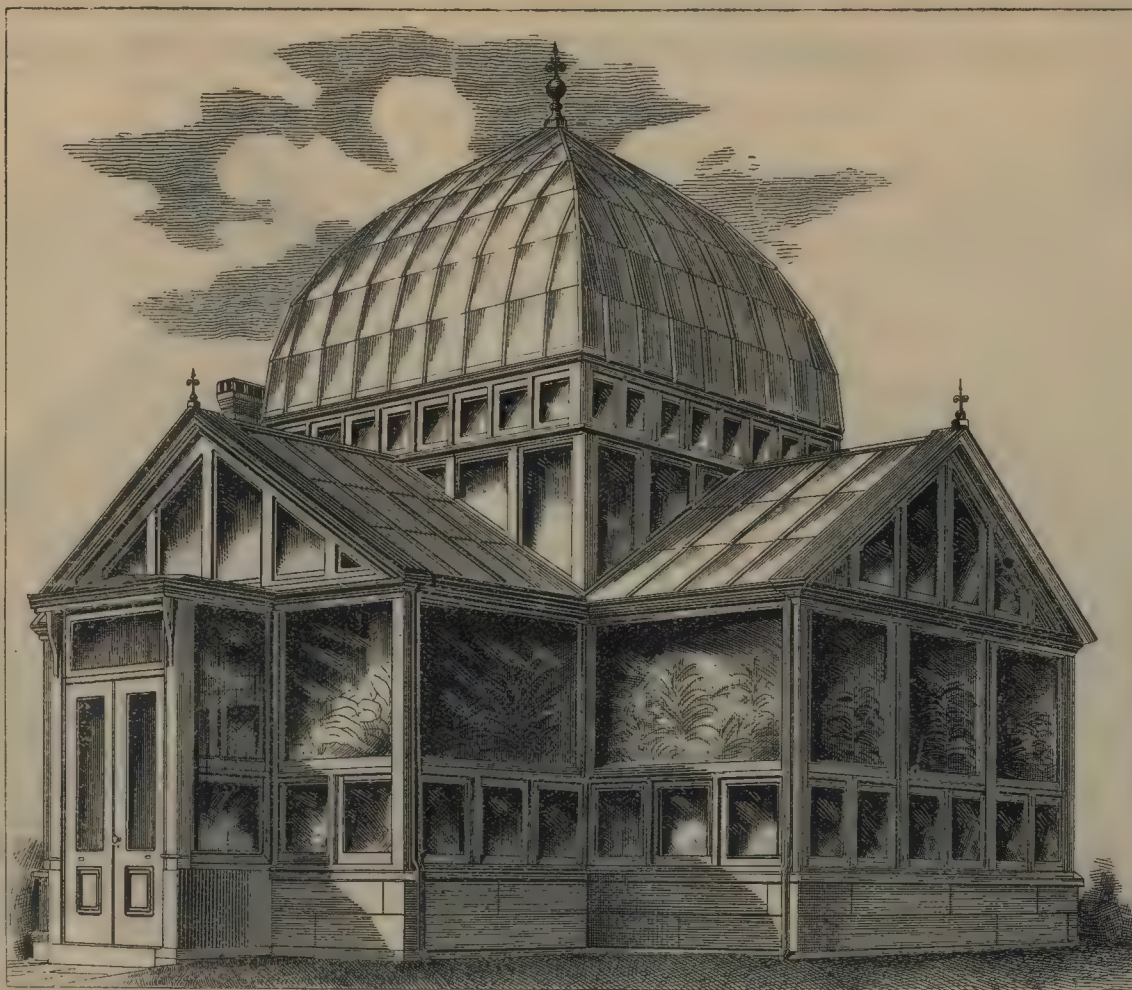


Curved Conservatory, ridge and side ventilation.

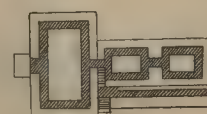


Curved Side Conservatory, ridge ventilation and side vent.

WRITE FOR ESTIMATE.

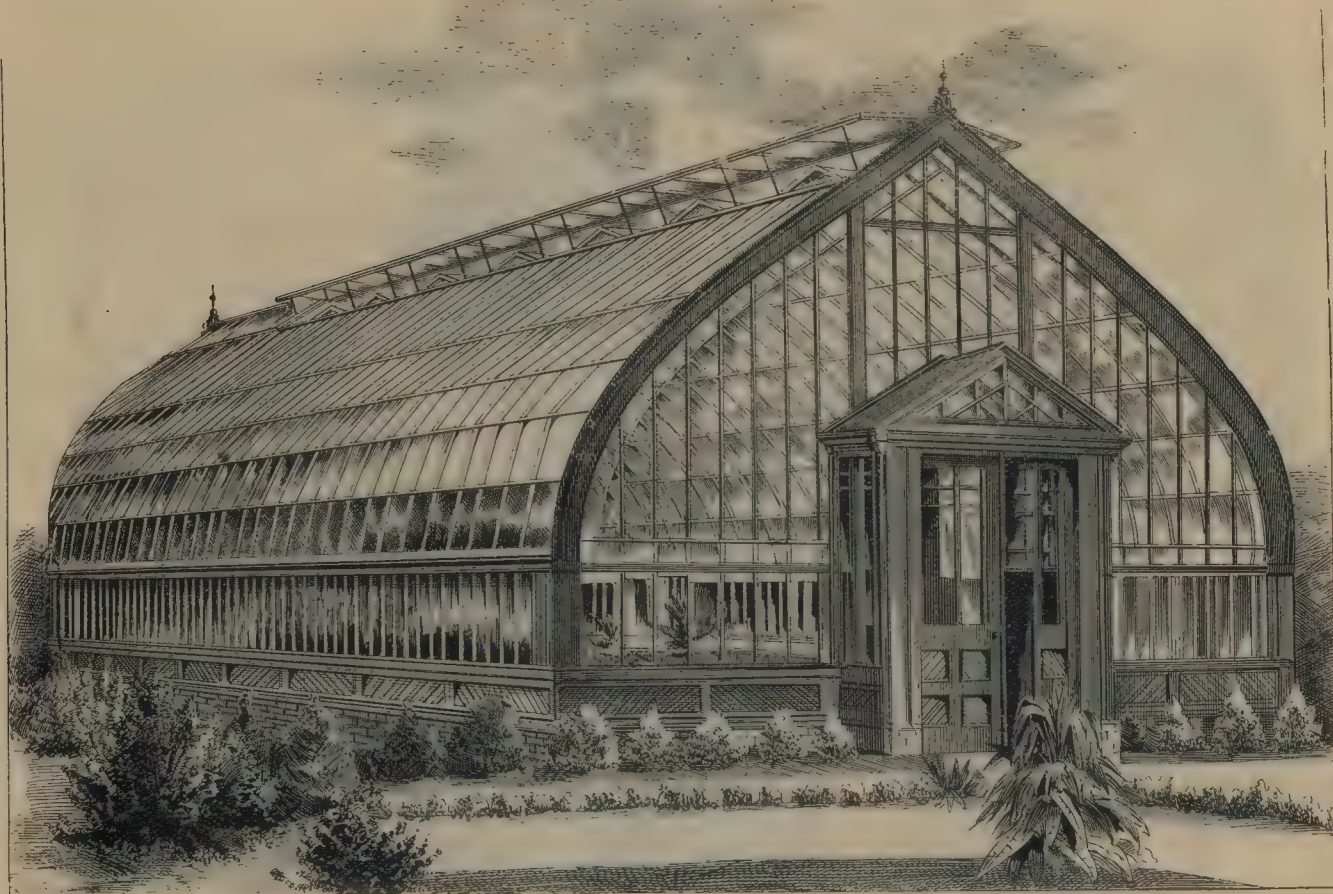


A—Conservatory and Palm House. Can be built any size desired.



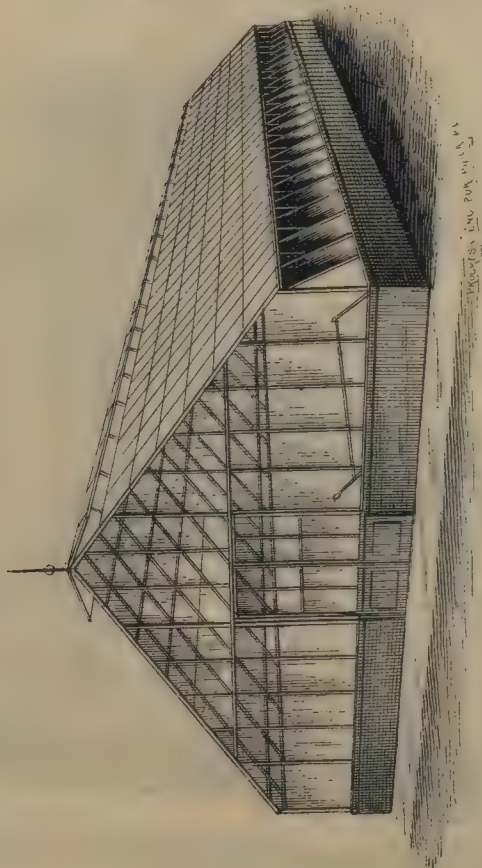
B—Conservatory, with hot-bed on the side.

Plate 6—IRON and GLASS STRUCTURES—GREEN-HOUSES—Continued.

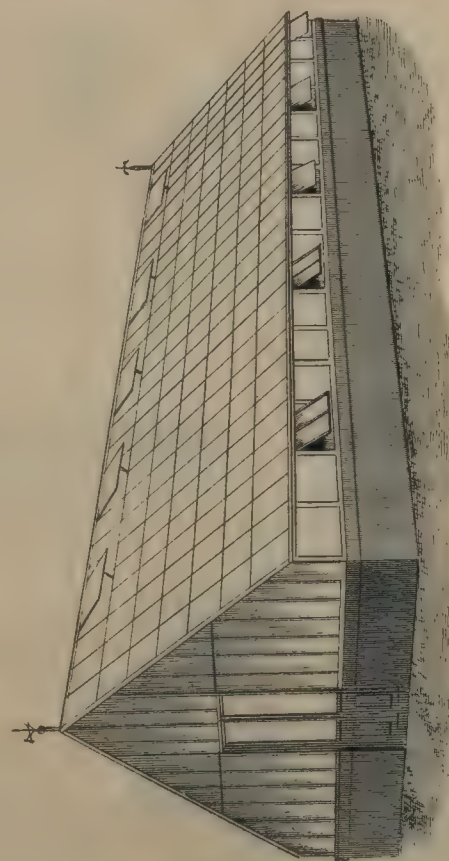


Conservatory C—Ventilators at top and bottom, can be made any size desired.

Green-Houses.



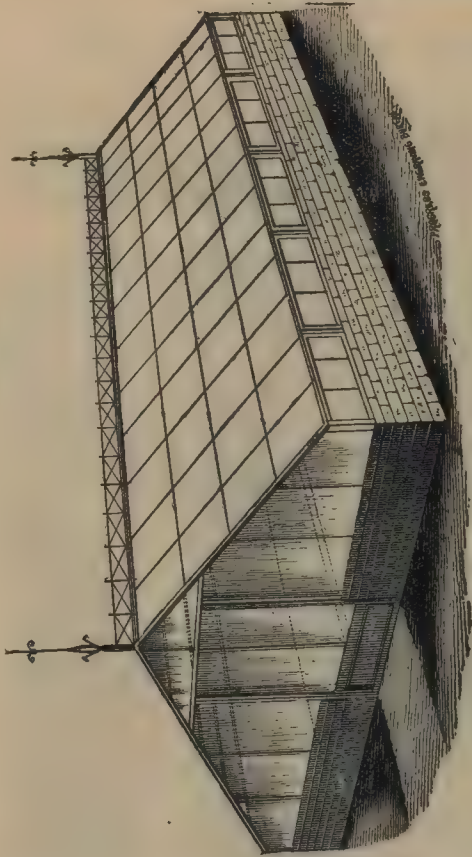
Green-House, side sash to swing and ridge sash to raise.



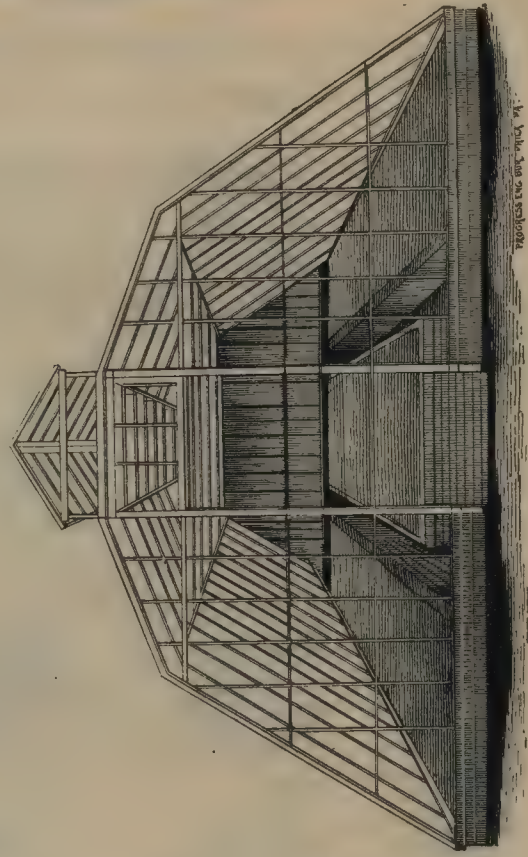
Plain Green-House, with lifting sash.

Plate 7—GREEN-HOUSES—Continued.

Plant Houses.



Plant House.

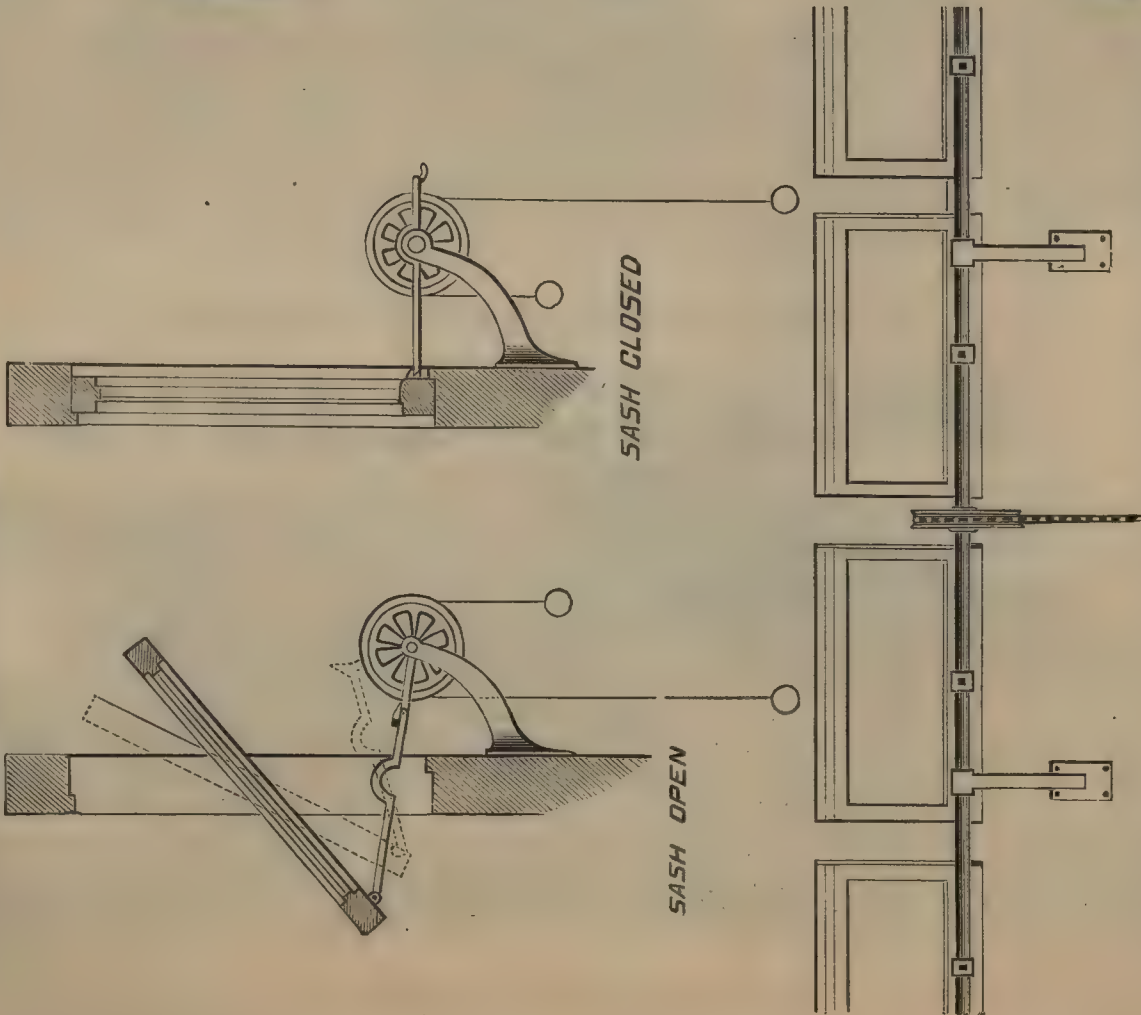


Plant House or Grapery.

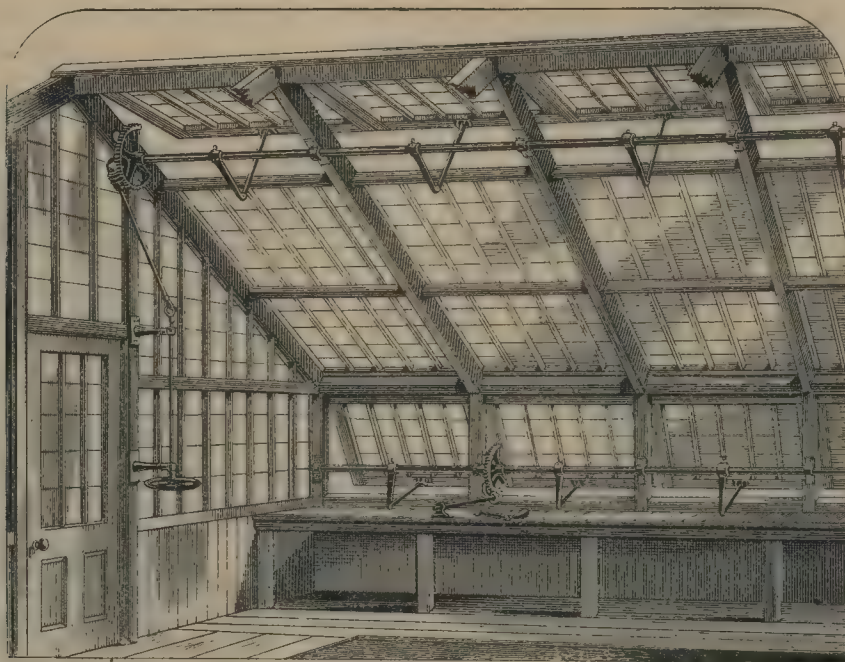
Brand's Patent Sash Opener.

THE BEST IN THE MARKET.

Architects can make no mistake by specifying for the Brand Patent Sash Opener; will open a line of any tilting sash.

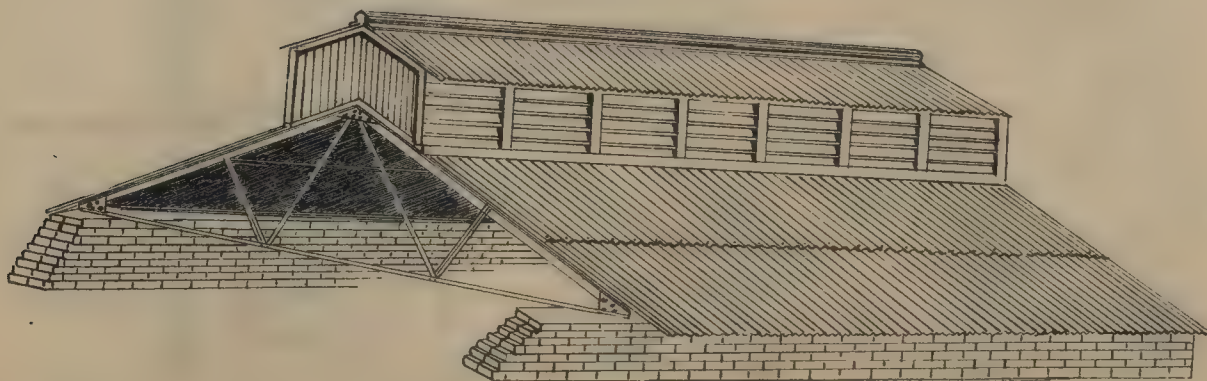


Will open one or a line of sash, are made of malleable iron, and can be applied to wooden or iron sash, for clere-stories, skylight sash, green-house sash, or any tilting sash. *The Hardware and Building Trade Supplied.*



Opening fixtures for operating either wood or iron sashes. Special prices on application, giving the number of sashes to be opened and their size.

ALL IRON ROOF-FRAME and COVERING.



We make a light and strong wrought-iron truss for rafters, with iron purlins and corrugated iron covering, making a roof strictly fire-proof, with or without a ventilator at the apex; are neat in appearance; strong and durable, and make a first-class clean job.

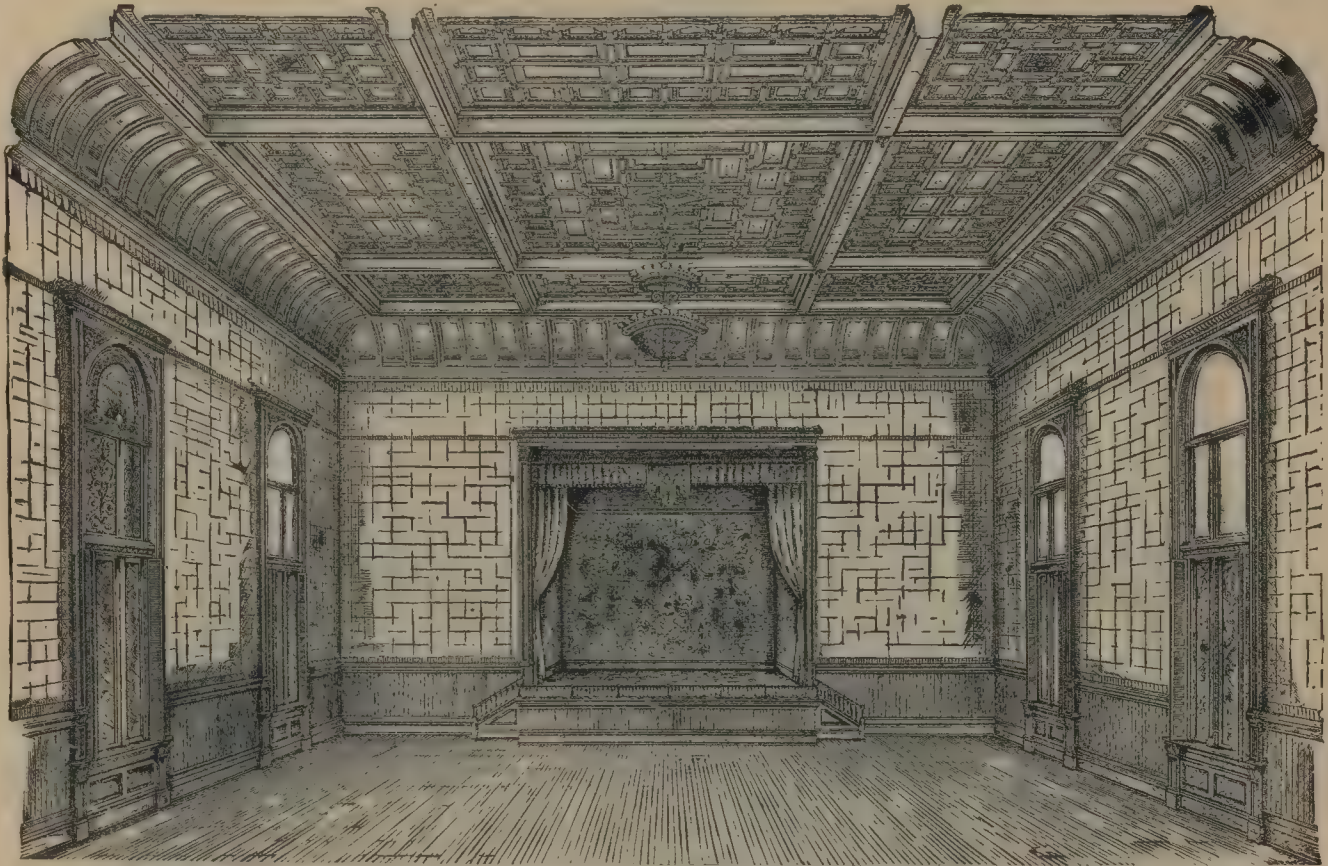
WRITE FOR ESTIMATE.

Plate 8—METALLIC CEILING DEPARTMENT.

The Kinnear Patent Sheet Steel Ceiling, Paneled and Ornamented.

PERMANENT. HANDSOME. DURABLE.

No shrinkage as in wood, no cracking or peeling off as in plaster. Partially fire-proof, thoroughly dust-proof, and can be painted in any color. Can be washed off when soiled. Not expensive.



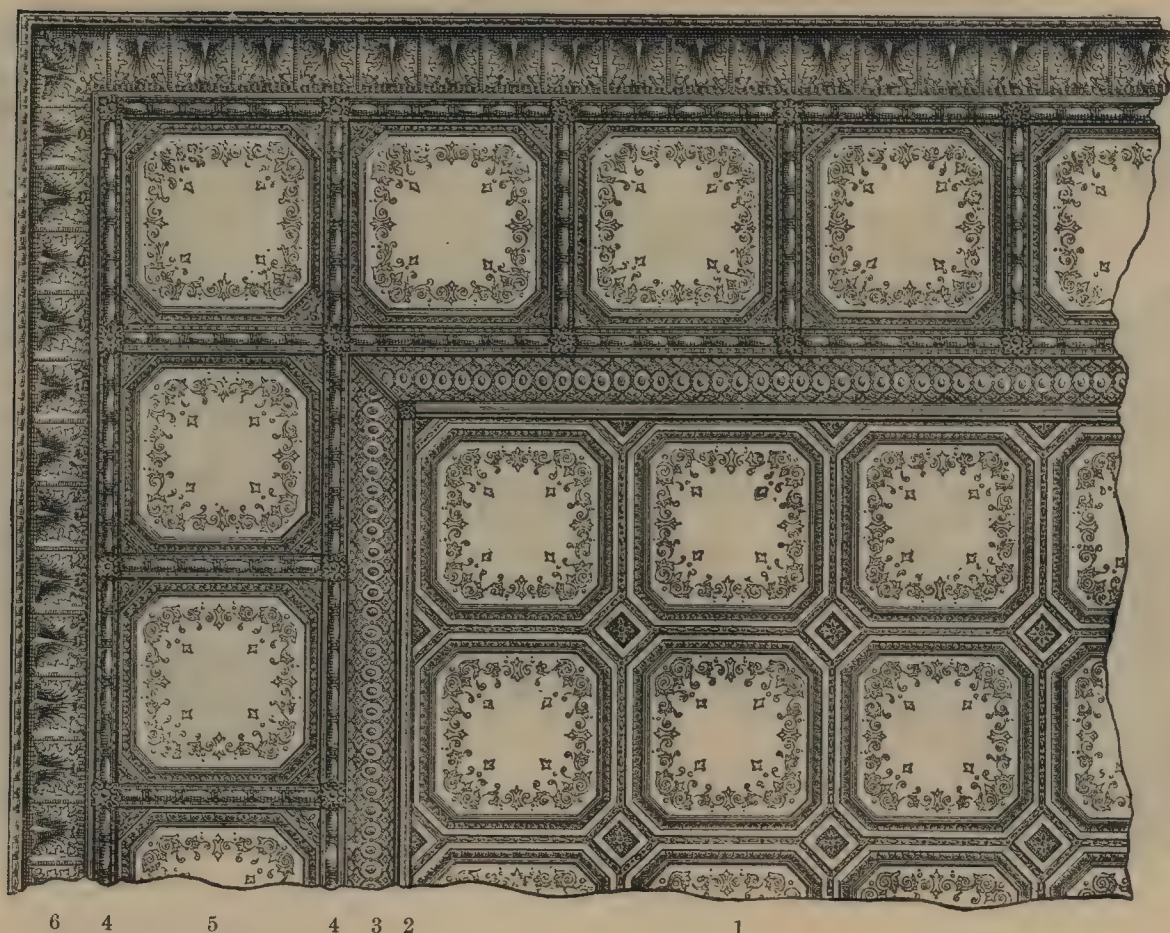
STEEL CEILING.

(KINNEAR'S PAT.)



Above cut shows the interior of a room fitted up with Kinnear's Patent Sheet Steel Ceiling.

NORTHROP'S EMBOSSED METAL CEILING.



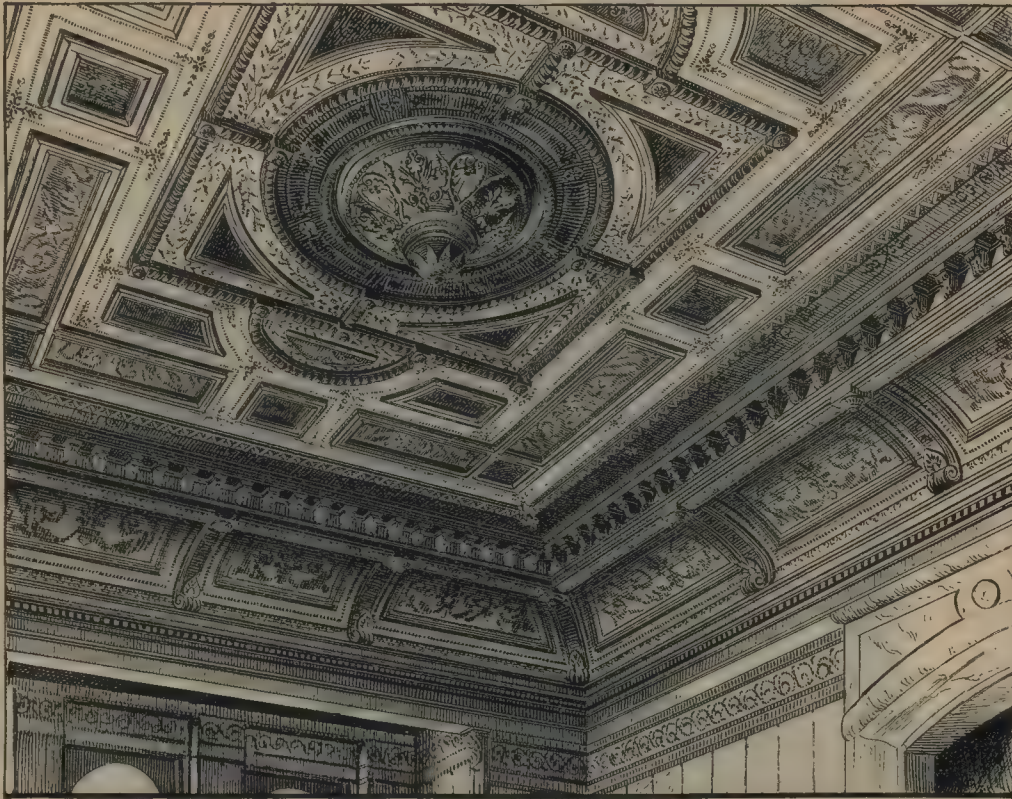
Embossed Ceiling. Style M.

The above ceiling is of Stamped plates (1) of soft steel, laying 27" x 27" from centre to centre, with a border of the same (5) separated from the central part by a mat (3) and having a cove cornice (6) of the Embossed Leaf pattern. No. 15 Embossed Mouldings (4) around each of the border panels, and the central part is separated from the mat by the No. 10 Moulding (2).

This mat, of stamped steel, may be as wide as necessary. It may, also, be placed between the border and cornice, to fill up any irregularity in the room.

Any other of my Embossed plates may be used in the border, the 20" x 20" plate being the best for many places. The 27" x 27" panel is raised $\frac{3}{8}$ -inch in stamping. The joint is not visible, being in the line of beadwork separating each. Furring strips 1" x 2", placed 27 inches from centres each way, are needed to fasten to by small wire nails. Send for prices.

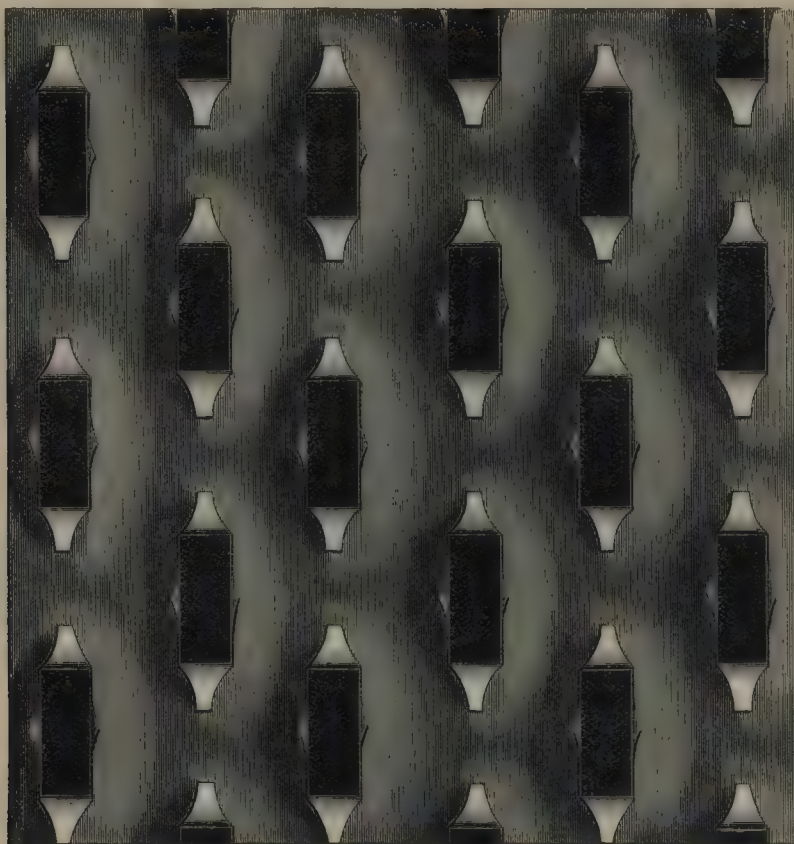
HIGHLY ORNAMENTED METALLIC CEILINGS.



Ceiling arranged for Public Halls, Opera Houses, Hotel Dining Rooms, Churches, Lodge Rooms, &c.

LATHING DEPARTMENT.

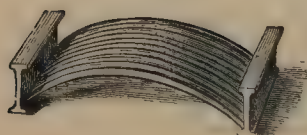
Hayes' Patent Plasmatic Sheet Iron Lathing. The Best Sheet Iron Lathing yet offered to the Trade.



This Lathing can be applied to all kinds of buildings for plastering in place of the ordinary wood lath at a trifling cost above the wood. It can be rapidly nailed to studding and to joists, and as the sheets are large (from 15 to 30" wide x 96" long), it covers very fast. By using this sheet-iron lathing instead of the wood you can make any building practically fire-proof at little expense. Plasterers generally endorse it, as the mortar is easily and readily applied. It takes less mortar, there is no waste of material, and the material holds to the lathing the moment they come in contact.

It is specified for by all leading architects, and the time is not far distant that it will be used in all houses.

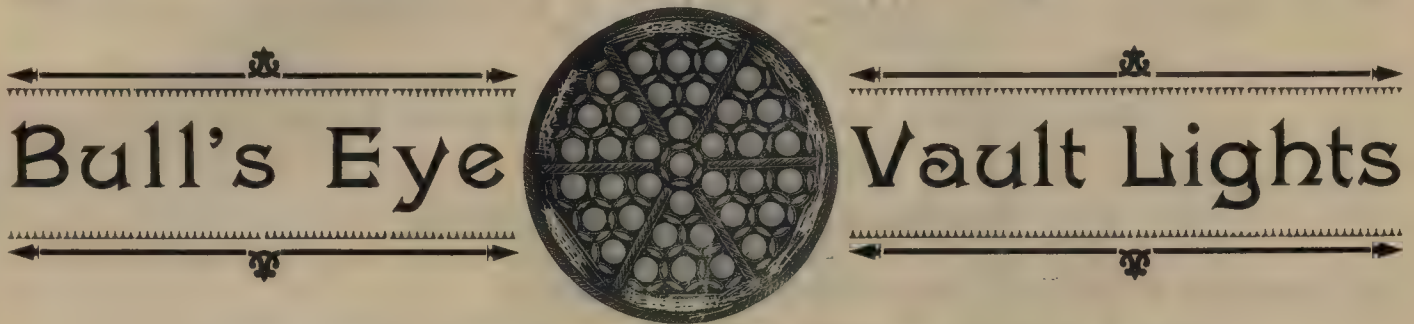
Corrugated Iron Arches for Fire-Proof Public Buildings, Banks, Warehouses, Etc.



Takes the place of brick arches between iron floor beams, and by filling into a level with the tops of the iron floor beams with a concrete it makes a thoroughly fire-proof floor, and, at the same time, very rigid and strong. The corrugated arches have been used in the best buildings throughout the United States.

WRITE FOR PRICES.

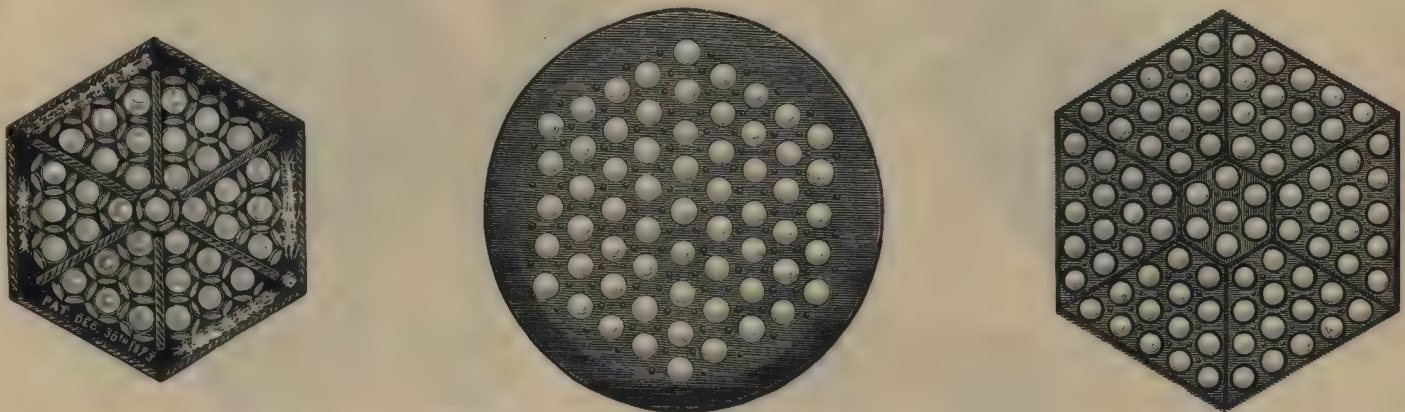
THE TICE & JACOBS'



Areas, Sidewalks, Roofs, Floors
and Skylights.

ILLUMINATING

VAULT COVERS AND COAL HOLE PLATES.

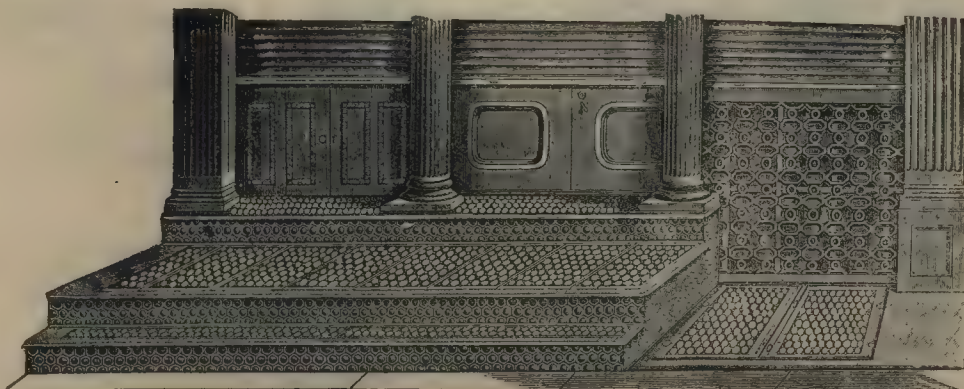


These designs represent the

ROUND · AND · HEXAGONAL · VAULT · COVERS

With Round Knob Protection,

WHICH WE MANUFACTURE AND KEEP IN STOCK IN SIZES FROM 16 IN. TO 27 IN.



This Cut represents a **FINISHED SECTION** of a **STORE FRONT** put up by us, and shows the Platform, Steps, Risers and Sills, together with the Elevator Doors.

METAL SHINGLE DEPARTMENT.

Thorn Shingle and Ornament Co.

MANUFACTURERS OF

Seven Different Kinds and Designs of Metallic Roofing
Tiles and Shingles.

ENDORSED BY ALL ARCHITECTS.

For Mansards, Steep Roofs, Gables and Tower Covering

THORN'S METALLIC TILES

produce a fine effect. They look like an earthen tile, are durable and storm-proof.

The Diamond Pattern.



Fig. 1—6 x 6 or 9 x 9 Diamond Tile
with flange and groove to lock.



Fig. 2—Section of 6 x 6 or 9 x 9 Diamond Tile
on Roof.

The Diamond Pattern Tile was the first we manufactured, and has met with unbounded success. It is a very handsome and appropriate covering for curved or straight Mansards, Gables, Bulks or Window Hoods, Bay Windows and Steep Roofs. They are made in three sizes, 5 x 5, 6 x 6 and 9 x 9, the sizes denoting the covering capacity. The first are used for small window hoods. The 6 x 6 and 9 x 9 are generally used for roofing, siding, etc. We have improved the 6 x 6 and 9 x 9 tiles by the addition of a groove and flange, as shown in Cuts Nos. 1 and 2, rendering it impossible for the lower point of this tile to warp or raise up. This improvement is not necessary on the 5 x 5 Diamond Tile, as the distance from the nailing point to the nose is much less than on the 6 x 6 tile; and, as mentioned above, are used on small surfaces only. All nails are covered by adjoining tile.

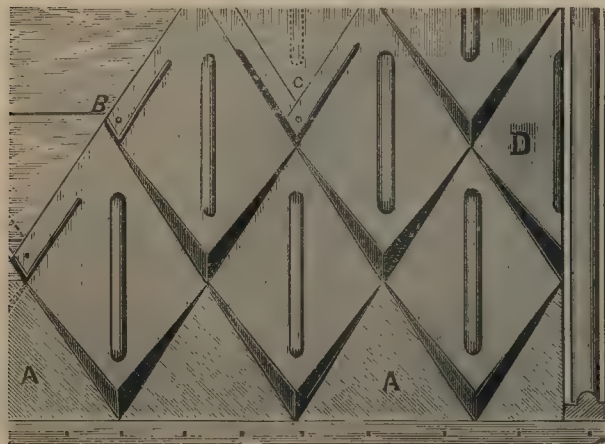


Fig. 3—Section of Roof covered by Diamond Pattern.

Appearance of Thorn's Diamond Tiles on Roof.

These tiles are not like the ordinary metallic shingle, but, architecturally speaking, they are

Far ahead of anything in the
metal line,

and the first and only metal shingle or tile made showing a thickened edge,
and all architects endorse them.

WRITE FOR PRICE LIST.

METAL SHINGLE DEPARTMENT.

The Hexagon Tile.

This roofing tile we produced among our first, and it has always met with a ready sale; hence, is considered one of our standard patterns. It has the same lock as the Square-Nose and Octagon, therefore the same merits. It has the appearance on a roof of our celebrated Diamond Tile, because of the point. They have been used on fine buildings with good effect.

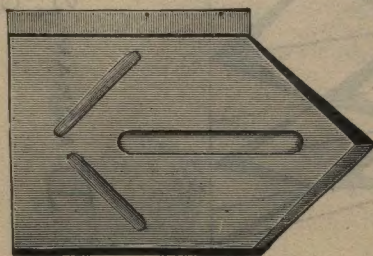


Fig. 8.—Hexagon Tile with Side Lock.

The Octagon Tile.

A DESIGN THAT LOOKS WELL ON ANY STEEP ROOF.

Although they were not put on the market till late in November 1887, they took even beyond, our most sanguine expectations, and we sold a large quantity of them before the season closed.

They have been pronounced by all those who have used or seen them to be a perfect roofing tile or plate, and we claim that these goods cannot be surpassed and make a thoroughly secure and durable roof in any climate.

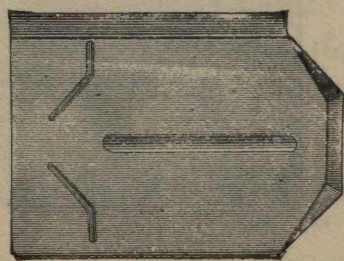


Fig. 6.—Octagon Tile with Side Lock.

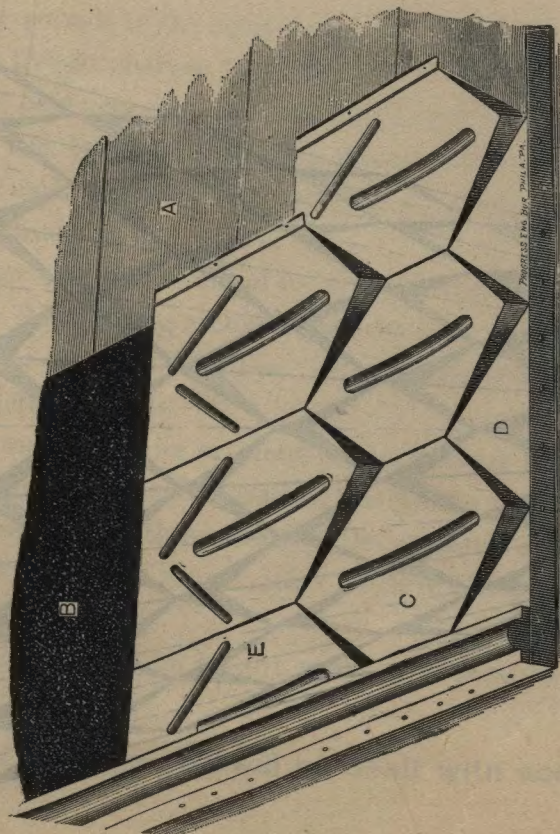


Fig. 9.—Section of Roof covered with Hexagon Tiles.

The **Patent Spring Side-Lock** used on all our large tiles is the most practical lock ever used on a metal tile or shingle, and makes a roof covered with these tiles thoroughly storm-proof and impossible to be blown off, as will be shown by the cuts. Each tile is provided on one side with a recess for the insertion of the opposite edge of the adjacent tile, the natural spring of the fold holding the tile above it firmly and securely in place; the nails are covered by the adjoining tile.

They can be put on in less time than any other metal roofing plate.

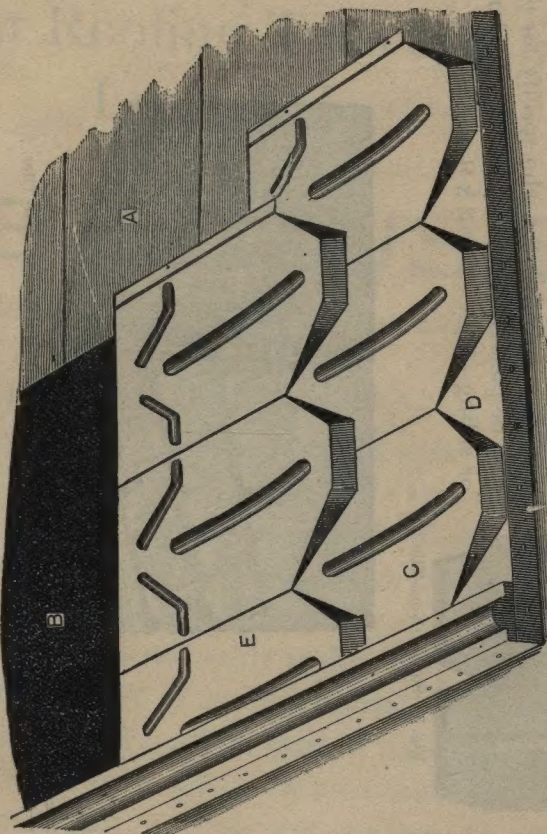


Fig. 7.—Section of Roof covered with Octagon Tiles.

Appearance of Thorn's Octagon Tiles on Roof.

These tiles have the same spring side-lock, and show 8 x 9 on the roof. The nails in the side joint of the tile or shingle are covered by the flange of the adjoining one when put on, therefore no nails are exposed to the weather to rust. Roofers can put them on rapidly, and cannot go wrong.

NOTE.—Our 5 x 5, 6 x 6 and 9 x 9 Diamond Tiles are the only metal tiles made that can be applied to bell-shaped roofs, round towers and domes, and have the same number of tiles at top as at bottom.

THORN'S SQUARE-NOSE TILES. VERY UNIQUE. THE LATEST OUT.

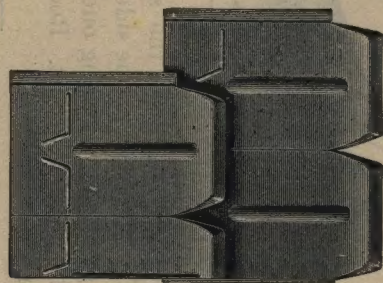
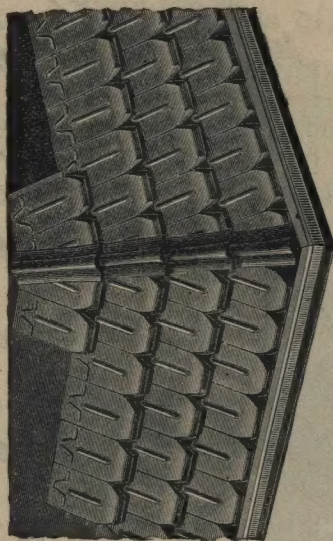


Fig. 5.—Square-Nose Tile.

This cut represents our latest design of roofing-tiles (the Square-Nose Tile). It has been highly complimented by the architects and trade generally, and is certainly a handsome tile. Having the patent spring side-lock, it makes a secure roofing- or siding-plate, suitable for any building, and the effect of it on a building is very fine. Architects, who specify for this tile, will be pleased with it, especially for large roof or siding—they show 8 x 9 on the roof.



Section of Roof covered with Square-Nose Tiles.

THE ROUND-NOSE TILE.

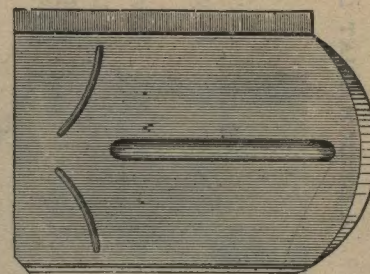


Fig. 11.—Round-Pointed Tile, with

This cut represents one of our latest designs, and has become very popular in some sections. It possesses all the good qualities of our other tiles, and makes a handsome roof.

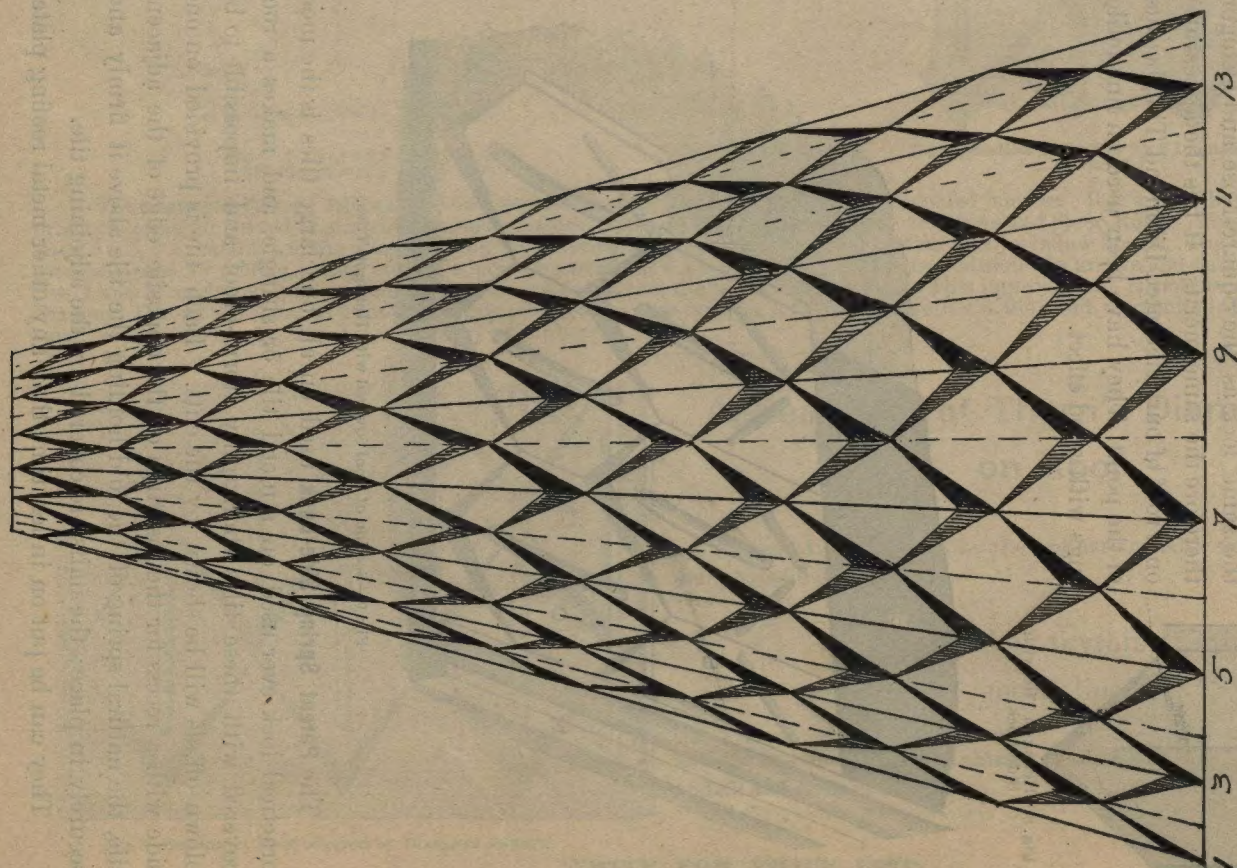


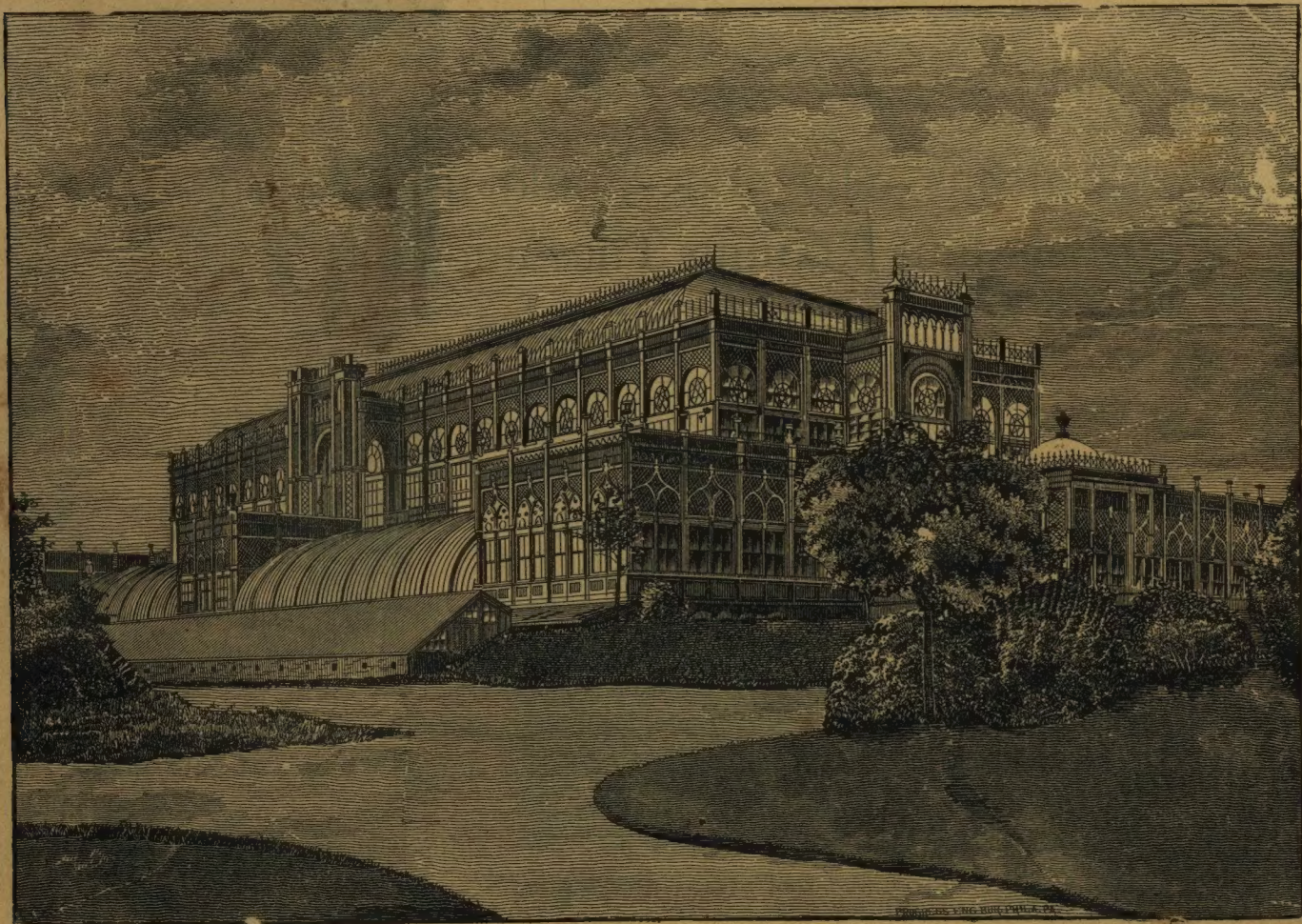
DIAGRAM SHOWING HOW TO APPLY THORN'S
9x9 AND 6x6" TILES ON ROUND TOWERS

Reasons why you should use Thorn's Patent Roofing Tiles and Spring Lock Shingles.

BECAUSE

- They are the only Metal Roof Covering producing any effect.
- There is no Leaking, Breaking or Blowing Off.
- They are more durable than any Terra Cotta or Earthen Tiles for a Roof Covering.
- Less liable to damage, and much lighter on a roof than slate or earthen tiles.
- More rapidly put on, and easily cut for eaves and valleys.
- Thoroughly storm-proof, and allowance is made for contraction and expansion.
- The Patent Spring Lock is the best and most secure ever applied to any Metallic Roofing Tile, Plate or Shingle.
- Less expensive than terra cotta, and easily packed and shipped to any point.
- They lay closer on a curved roof of any description.
- They are warmer in winter and cooler in summer than slate.
- They are indestructible, either in transportation or handling afterward.
- They are the handsomest roof covering ever produced in metal, the thickened edges throwing a deep shadow; are smoother and better than any earthen tile at less than one-half the cost.
- They weigh only 100 pounds to the square, and take a very low classification in shipment, thus making freight charges very low.
- They are made of the best material, and on a building are the counterpart of a finely-finished terra cotta tile, but more artistic in design and more reliable, and make the most attractive and most desirable roof covering yet produced or ever offered to the building or roofing trade.
- They embody all other qualities essential in a good roof or siding, and the material insures durability. All leading architects and builders endorse them; we invite the fullest investigation of these goods. Ten (10) different designs of tiles or plates and shingles are manufactured by us.
- The great demand for metal shingles or plates as a substitute for slate or terra cotta on steep roofs, mansards and towers, has induced this firm to manufacture and put on the market for the building trade these metallic tiles or plates, which they claim are the MOST PERFECT, DURABLE, UNIQUE AND ARTISTIC ROOF, GABLE, TOWER AND WALL COVERING yet offered.
- These tiles or shingles can be put on by any metal or slate roofer.

Any infringement of these goods will be dealt with according to law.



EXTERIOR VIEW OF HORTICULTURAL HALL, FAIRMOUNT PARK.



INTERIOR VIEW OF HORTICULTURAL HALL, FAIRMOUNT PARK.